FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)

OFFICE OF AIR QUALITY

Center Terminal Company - Indianapolis 10833 E. County Road 300 North Indianapolis, Indiana 46234

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F063-13933-00007

Issued by: Original signed by Paul Dubenetzky, Branch Chief

Office of Air Quality

Issuance Date: November 28, 2001

Expiration Date: November 28, 2006

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary petroleum loading and storage plant

Authorized individual: Gerald L. Jost, Jr.

Source Address: 10833 E. County Road 300 North, Indianapolis, Indiana

46234

Mailing Address: 10833 E. County Road 300 North, Indianapolis, Indiana

46234

General Source Phone Number: (314) 682-3500

SIC Code: 5171 Source Location Status: Hendricks

County Status: Attainment for all criteria pollutants

Source Status: Federally Enforceable State Operating Permit (FESOP)

Minor Source, under PSD;

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (a) One storage tank, identified as 55-1, constructed in 1961, storing gasoline, with a maximum storage capacity of 2,310,000 gallons.
- (b) One storage tank, identified as 45-2, constructed in 1961, storing gasoline, with a maximum storage capacity of 1,890,000 gallons.
- (c) One storage tank, identified as 35-3, constructed in 1961, storing fuel oil, with a maximum storage capacity of 1,470,000 gallons.
- (d) One storage tank, identified as 25-4, constructed in 1961 and modified in 1975, storing gasoline, with a maximum storage capacity of 1,050,000 gallons.
- (e) One storage tank, identified as 5, constructed in 1986, storing fuel ethanol, with a maximum storage capacity of 20,000 gallons.
- (f) One storage tank, identified as IVL, constructed in 1994, storing gasoline additive, with a maximum storage capacity of 8,000 gallons.
- (g) Tank truck/tank car loading operations with VOC emissions controlled with one (1) carbon adsorption vapor recover unit, identified as CE-1, venting to stack 2-S-1(P)-A/B.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Cleaners and solvent characterized as follows:
 - (1) Having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38 degrees C (100°F); or

(2) Having a vapor pressure equal to or less than 0,7 kPa; 5 mm Hg; or 0.1 psi measured at 20 degrees C (68EF).

The use of which for all cleaners and solvents combined does not exceed 145 gallons per twelve months.

- (b) Process vessel degassing and cleaning to prepare for internal repairs.
- (c) Paved and unpaved roads and parking lots with public access.
- (d) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (e) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.
- (f) On-site fire and emergency response training approved by the department.
- (g) Filter or coalesce media changeout.
- (h) Emission units with PM and PM10 emissions less than five (5) tons per year, SO₂, NOx, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year:
 - A loading rack secondary containment underground oil-water separator and slop tank.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

A.5 Prior Permit Conditions

- (a) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits.
- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, including any term or condition from a previously issued construction or operation permit, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

B.2 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2, and 326 IAC 2-7) shall prevail.

B.3 Permit Term [326 IAC 2-8-4(2)]

This permit is issued for a fixed term of five (5) years from the original date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

B.4 Enforceability [326 IAC 2-8-6]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.6 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.8 Duty to Supplement and Provide Information [326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)] [326 IAC 2-8-5(a)(4)]

(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management Permits Branch, Office of Air Quality 100 North Senate Avenue, P.O. Box 6015 Indianapolis, Indiana 46206-6015

The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit or,

for information claimed to be confidential, the Permittee may furnish such records directly to the U. S. EPA along with a claim of confidentiality.[326 IAC 2-8-4(5)(E)]

(c) The Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1 When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:
 - (1) Enforcement action;
 - (2) Permit termination, revocation and reissuance, or modification; and
 - (3) Denial of a permit renewal application.
- (b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- (c) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.
- (c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:

Indiana Department of Environmental Management Compliance Branch, Office of Air Quality 100 North Senate Avenue, P.O. Box 6015 Indianapolis, Indiana 46206-6015

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- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, may require to determine the compliance status of the source.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.13 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management Compliance Branch, Office of Air Quality 100 North Senate Avenue, P. O. Box 6015 Indianapolis, Indiana 46206-6015

The PMP and the PMP extension notification do not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall implement the PMPs as necessary to ensure that failure to implement a PMP does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper

maintenance causes or contributes to any violation. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

B.14 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit:
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or.

Telephone No.: 317-233-5674 (ask for Compliance Section)

Facsimile No.: 317-233-5967

Failure to notify IDEM, OAQ, by telephone or facsimile within four (4) daytime business hours after the beginning of the emergency, or after the emergency is discovered or reasonably should have been discovered, shall constitute a violation of 326 IAC 2-8 and any other applicable rules. [326 IAC 2-8-12(f)]

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management Compliance Branch, Office of Air Quality 100 North Senate Avenue, P.O. Box 6015 Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

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using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report.

The notification by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:
 - An excursion from compliance monitoring parameters as identified in Section D
 of this permit unless tied to an applicable rule or limit; or
 - (2) Failure to implement elements of the Preventive Maintenance Plan unless such failure has caused or contributed to a deviation.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred is a deviation.

(c) Emergencies shall be included in the Quarterly Deviation and Compliance Monitoring Report.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit [326 IAC 2-8-4(5)(C)]. The notification by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management Permits Branch, Office of Air Quality 100 North Senate Avenue, P.O. Box 6015 Indianapolis, IN 46206-6015

- (b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]
 - (1) A timely renewal application is one that is:
 - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
 - (2) If IDEM, OAQ upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-8-9]

 If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management Permits Branch, Office of Air Quality 100 North Senate Avenue, P.O. Box 6015 Indianapolis, Indiana 46206-6015

Any such application shall be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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(c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15]

- (a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:
 - (1) The changes are not modifications under any provision of Title I of the Clean Air Act:
 - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
 - (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
 - (4) The Permittee notifies the:

Indiana Department of Environmental Management Permits Branch, Office of Air Quality 100 North Senate Avenue, P.O. Box 6015 Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J) 77 West Jackson Boulevard Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-8-15(b), (c)(1), and (d).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-8-15(a) and the following additional conditions:
 - (1) A brief description of the change within the source;
 - (2) The date on which the change will occur;
 - (3) Any change in emissions; and
 - (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

- (c) Emission Trades [326 IAC 2-8-15(c)]
 The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (d) Alternative Operating Scenarios [326 IAC 2-8-15(d)]

 The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

B.20 Permit Revision Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management Permits Branch, Office of Air Quality 100 North Senate Avenue, P.O. Box 6015 Indianapolis, Indiana 46206-6015

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The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-11(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-0425 (ask for OAQ, Technical Support and Modeling Section), to determine the appropriate permit fee.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

- (a) Pursuant to 326 IAC 2-8:
 - (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also satisfy the requirements of 326 IAC 2-3 (Emission Offset);
 - (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
 - (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.
- (b) Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), emissions of particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3(a)(2)(A) and (B) are not federally enforceable.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and in 326 IAC 9-1-2. 326 IAC 9-1-2 is not federally enforceable.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

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C.6 Operation of Equipment [326 IAC 2-8-5(a)(4)]

Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management Asbestos Section, Office of Air Quality 100 North Senate Avenue, P.O. Box 6015 Indianapolis, Indiana 46206-6015

The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) Procedures for Asbestos Emission Control
 The Permittee shall comply with the applicable
 - The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) Indiana Accredited Asbestos Inspector
 The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator,
 prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to
 thoroughly inspect the affected portion of the facility for the presence of asbestos. The

requirement that the inspector be accredited, pursuant to the provisions of 40 CFR 61, Subpart M, is federally enforceable.

Testing Requirements [326 IAC 2-8-4(3)]

C.8 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management Compliance Data Section, Office of Air Quality 100 North Senate Avenue, P. O. Box 6015 Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.10 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management Compliance Data Section, Office of Air Quality 100 North Senate Avenue, P.O. Box 6015 Indianapolis, Indiana 46206-6015

in writing, prior to the end of the initial ninety (90) day compliance schedule with full justification of the reasons for inability to meet this date.

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The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emissions unit, compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing performed required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63 or other approved methods as specified in this permit.

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.12 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present at a source in more than a threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall submit:

- (a) A compliance schedule for meeting the requirements of 40 CFR 68; or
- (b) As a part of the annual compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP);

All documents submitted pursuant to this condition shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

C.13 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. The compliance monitoring plan can be either an entirely new document, consist in whole of information contained in other documents, or consist of a combination of new information and information contained in other documents. If the compliance monitoring plan incorporates by reference information contained in other documents, the Permittee shall identify as part of the compliance monitoring plan the documents in which the information is found. The elements of the compliance monitoring plan are:
 - (1) This condition;
 - (2) The Compliance Determination Requirements in Section D of this permit;
 - (3) The Compliance Monitoring Requirements in Section D of this permit;
 - (4) The Record Keeping and Reporting Requirements in Section C (General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and
 - (5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAQ upon request and shall be subject to review and approval by IDEM, OAQ. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of:
 - (A) Reasonable response steps that may be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and

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- (B) A time schedule for taking reasonable response steps including a schedule for devising additional response steps for situations that may not have been predicted.
- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to take reasonable response steps may constitute a violation of the permit.
- (c) Upon investigation of a compliance monitoring excursion, the Permittee is excused from taking further response steps for any of the following reasons:
 - (1) A false reading occurs due to the malfunction of the monitoring equipment. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.
 - (3) An automatic measurement was taken when the process was not operating.
 - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
- (d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (e) All monitoring required in Section D shall be performed at all times the equipment is operating. If monitoring is required by Section D and the equipment is not operating, then the Permittee may record the fact that the equipment is not operating or perform the required monitoring.
- (f) At its discretion, IDEM may excuse the Permittee's failure to perform the monitoring and record keeping as required by Section D, if the Permittee provides adequate justification and documents that such failures do not exceed five percent (5%) of the operating time in any quarter. Temporary, unscheduled unavailability of qualified staff shall be considered a valid reason for failure to perform the monitoring or record keeping requirements in Section D.
- C.14 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]
 - (a) When the results of a stack test performed in conformance with Section C -Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
 - (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The documents submitted pursuant to this condition do not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.15 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (a) Records of all required data, reports and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.16 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:
 - Indiana Department of Environmental Management Compliance Data Section, Office of Air Quality 100 North Senate Avenue, P. O. Box 6015 Indianapolis, Indiana 46206-6015
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.

Stratospheric Ozone Protection

C.17 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

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- (a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156
- (b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (a) One storage tank, identified as 55-1, constructed in 1961, storing gasoline, with a maximum storage capacity of 2,310,000 gallons;
- (b) One storage tank, identified as 45-2, constructed in 1961, storing gasoline, with a maximum storage capacity of 1,890,000 gallons;
- (c) One storage tank, identified as 35-3, constructed in 1961, storing fuel oil, with a maximum storage capacity of 1,470,000 gallons;
- (d) One storage tank, identified as 25-4, constructed in 1961 and modified in 1975, storing gasoline, with a maximum storage capacity of 1,050,000 gallons;
- (e) One storage tank, identified as 5, constructed in 1986, storing fuel ethanol, with a maximum storage capacity of 20,000 gallons; and
- (f) One storage tank, identified as IVL, constructed in 1994, storing gasoline additive, with a maximum storage capacity of 8,000 gallons.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Storage Vessels [40 CFR 60, Subpart Kb] [326 IAC 12]

Tank 5 is subject to the New Source Performance Standard (NSPS), 326 IAC 12, 40 CFR Part 60 Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, because the storage tank was constructed after 1984, is larger than 40 m³, and stores volatile organic compounds. There are no limits applicable to this storage tank; however, the source must comply with the applicable record keeping requirements specified in the Record Keeping Requirements condition of this section.

D.1.2 Storage Vessels [326 IAC 8-4-3]

326 IAC 8-4-3 (Petroleum Sources - Petroleum Liquid Storage Facilities) applies to Tank 55-1, 45-2, and 25-4 because these tanks are located in Hendricks County which is listed in the applicability of this rule. Additionally these tanks are larger than 39,000 gallons and store volatile organic compounds with true vapor pressures greater than 1.52 psia.

- (a) No owner or operator of tank 25-4 shall permit the use of such facility unless:
 - (1) The facility has been retrofitted with an internal floating roof equipped with a closure seal, or seals, to close the space between the roof edge and tank wall unless the source has been retrofitted with equally effective alternative control which has been approved.
 - (2) The facility is maintained such that there are no visible holes, tears, or other openings in the seal or any seal fabric or materials.
 - (3) All openings, except stub drains, are equipped with covers, lids, or seals such that:
 - (A) The cover, lid, or seal is in the closed position at all times except when in actual use;

- (B) Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports;
- (C) Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting.
- (b) No owner or operator of tank 55-1 and 45-2 shall permit the use of such facility unless:
 - (1) The facility has been fitted with:
 - (A) A continuous secondary seal extending from the floating roof to the tank wall (rim-mounted secondary seal); or
 - (B) A closure or other device approved by the commissioner which is equally effective.
 - (2) All seal closure devices meet the following requirements:
 - (A) There are no visible holes, tears, or other openings in the seal(s) or seal fabric;
 - (B) The seal(s) are intact and uniformly in place around the circumference of the floating roof between the floating roof and the tank wall.
 - (C) For vapor mounted primary seals, the accumulated gap area around the circumference of the secondary seal where a gap exceeding one-eighth (C) inch exists between the secondary seal and the tank wall shall not exceed 1.0 square inch per foot of tank diameter. There shall be no gaps exceeding one-half (½) inch between the secondary seal and the tank wall of welded tanks and no gaps exceeding one (1) inch between the secondary seal and the tank wall of riveted tanks.
 - (3) All openings in the external floating roof, except for automatic bleeder vents, rim space vents, and leg sleeves, are:
 - (A) Equipped with covers, seals, or lids in the closed position except when the openings are in actual use; and
 - (B) Equipped with projections into the tank which remain below the liquid surface at all times.
 - (4) Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports;
 - (5) Rim vents are set to open when the roof is being floated off the leg supports or at the manufacturer's recommended setting; and
 - (6) Emergency roof drains are provided with slotted membrane fabric covers or equivalent covers which cover at least ninety percent (90%) of the area of the opening.

D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.1.4 Monitoring

The Permittee shall conduct quarterly inspections of Tank 55-1, 45-2, and 25-4 for visible holes, tears, or other openings in the seal or any seal fabric or materials.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.5 Record Keeping Requirements

- (a) To document compliance with Condition D.1.1, the permittee shall maintain a record showing the dimension of the storage vessels and an analysis showing the capacity of the storage vessels.
- (b) To document compliance with Condition D.1.4, the Permittee shall maintain a record of the results of the inspections performed on the storage vessels and shall maintain weekly records of the inlet pressure readings during normal operation.
- (c) All records shall be maintained in accordance with Section C General Record Keeping Requirements, of this permit.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(g) Tank truck/tank car loading operations with VOC emissions controlled with one (1) carbon adsorption vapor recover unit, identified as CE-1, venting to stack 2-S-1(P)-A/B.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 FESOP Limit [326 IAC 2-8]

This source shall limit the throughput to the loading rack to less than 510,263,795 tons per twelve (12) consecutive month period and shall use the carbon absorption vapor recovery unit with a control efficiency of 95% to limit VOC emissions. This limit is equivalent to limiting VOC emissions to less than eight-seven (87) tons per twelve (12) consecutive month period. This limit is structured such that when including emissions from the tanks, the total source VOC emissions are limited to less than one hundred (100) tons per twelve (12) consecutive month period. This will render the requirements of 326 IAC 2-7 (Part 70 Permit Program), 326 IAC 2-2 (Prevention of Significant Deterioration), and 40 CFR 52.21 not applicable.

D.2.2 Volatile Organic Compounds [326 IAC 8-4-4]

326 IAC 8-4-4 (Petroleum Sources - Bulk Gasoline Terminals) applies to this source because this source is a bulk gasoline terminal and this source is located in Hendricks County which is listed in the applicability of this rule. Pursuant to this rule, no owner or operator of a bulk gasoline terminal shall permit the loading of gasoline into any transport, excluding railroad tank cars, or barges, unless:

- (a) The bulk gasoline terminal is equipped with a vapor control system, in good working order, in operation and consisting of one of the following:
 - (1) An adsorber or condensation system which processes and recovers vapors and gases from the equipment being controlled, releasing no more than 80 mg/l of VOC to the atmosphere.
 - A vapor collection system which directs all vapors to a fuel gas system or incinerator.
 - (3) An approved control system, demonstrated to have control efficiency equivalent to or greater than clause (1) above.
- (b) Displaced vapors and gases are vented only to the vapor control system.
- (c) A means is provided to prevent liquid drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.
- (d) All loading and vapor lines are equipped with fittings which make vapor-tight connections and which will be closed upon disconnection.
- (e) If employees of the owner of the bulk gasoline terminal are not present during loading, it shall be the responsibility of the owner of the transport to make certain the vapor control system is attached to the transport. The owner of the terminal shall take all reasonable steps to insure that owners of transports loading at the terminal during unsupervised times comply with this section.

D.2.3 Leaks from Transports and Vapor Collection Systems [326 IAC 8-4-9]

326 IAC 8-4-9 (Petroleum Sources - Leaks from Transports and Vapor Collection Systems; Records) applies to this source because the source is in Hendricks County which is listed in the applicability of this rule and the source is subject to 326 IAC 8-4-4 and 326 IAC 8-4-7. Pursuant to this rule:

- (a) The Permittee shall not allow any gasoline transport to be filled or emptied unless the gasoline transport completes the following:
 - (1) Is tested annually according to test procedures consistent with Appendix A of "Control of Organic Compound Leaks from Gasoline Tank Trucks or and Vapor Collection Systems", EPA-450/2-78-051*, or equivalent procedure approved by the Commissioner.
 - (2) Sustains a pressure change of no more than seven hundred and fifty (750)
 Pascals (three (3) inches of water) in five (5) minutes when pressurized to a
 gauge pressure of four thousand five hundred (4,500) Pascals (eighteen (18)
 inches of water) or evacuated to a gauge pressure of one thousand five hundred
 (1,500) Pascals (six (6) inches of water) during the testing required subdivision
 (1).
 - (3) Is repaired by the owner or operator and retested within fifteen (15) days of testing if it does not meet the criteria of subdivision (2).
- (b) The Permittee shall operate the vapor control system and the gasoline loading rack in a manner that prevents:
 - (1) Gauge pressure from exceeding four thousand five hundred (4,500) Pascals (eighteen (18) inches of water) and a vacuum from exceeding one thousand five hundred (1,500) Pascals (six (6) inches of water) in the gasoline tank truck.
 - (2) A reading equal to or greater than one hundred percent (100%) of the lower explosive limit (LEL, measured as propane) at two and five-tenths (2.5) centimeters from all points on the perimeter of a potential leak source when measured by the method referenced in Appendix B of "Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems", EPA 450/2-78-051, or an equivalent procedure approved by the Commissioner during loading or unloading operations at gasoline dispensing facilities, bulk plants, and bulk terminals.
 - (3) Avoidable visible liquid leaks during loading or unloading operations at gasoline dispensing facilities, bulk plants, and bulk terminals.
- (c) The Permittee shall repair and retest a vapor collection or control system that exceeds the limits in Condition (b) within fifteen (15) days.

D.2.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

Compliance Determination Requirements

D.2.5 Volatile Organic Compounds (VOC)

In order to comply with Conditions D.2.1, D.2.2, and D.2.3, the carbon adsorption vapor recover unit for VOC control shall be in operation at all times when loading operations are taking place.

D.2.6 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

During the period between 30 and 36 months after issuance of this permit, in order to demonstrate compliance with Conditions D.2.1 and D.2.2 the Permittee shall perform VOC testing on the carbon adsorption unit utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.2.7 Monitoring

The Permittee shall record the inlet pressure of the carbon adsorption unit used in conjunction with the loading rack at least once weekly when the loading rack is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the inlet pressure on the carbon adsorption unit shall be maintained within the range of 0 and 10 psi gauge pressure. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

D.2.8 Carbon Replacement

If, on any given day, the back pressure has increased by more than 50% from the previous reading, the carbon shall be replaced.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.9 Record Keeping Requirements

- (a) To document compliance with Condition D.2.1, the Permittee shall maintain a record of the throughput to the loading rack.
- (b) To document compliance with Condition D.2.3, the Permittee shall maintain records of all certification testing. The records shall identify the following:
 - (1) The vapor balance, vapor collection, or vapor control system;
 - (2) The date of the test and, if applicable, retest; and
 - (3) The results of the test and, if applicable, retest.
- (c) To document compliance with Condition D.2.7, the Permittee shall maintain weekly records of the inlet pressure readings during normal operation.
- (d) To document compliance with Condition D.2.8, the Permittee shall maintain a log of carbon replacement dates.
- (e) All records shall be maintained in accordance with Section C General Record Keeping Requirements, of this permit.

D.2.10 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Center Terminal Company - Indianapolis

Source Address: 10833 E. County Road 300 North, Indianapolis, IN 46234 Mailing Address: 10833 E. County Road 300 North, Indianapolis, IN 46234

FESOP No.: F063-13933-00007

	This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.		
	Please check what document is being certified:		
9	Annual Compliance Certification Letter		
9	Test Result (specify)		
9	Report (specify)		
9	Notification (specify)		
9	Affidavit (specify)		
9	Other (specify)		
I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.			
Sig	nature:		
Pri	nted Name:		
Titl	Title/Position:		
Da	te:		

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674

Fax: 317-233-5967

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) EMERGENCY OCCURRENCE REPORT

Source Name: Center Terminal Company - Indianapolis

Source Address: 10833 E. County Road 300 North, Indianapolis, IN 46234 Mailing Address: 10833 E. County Road 300 North, Indianapolis, IN 46234

FESOP No.: F063-13933-00007

This form consists of 2 pa	ages
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Page 1 of 2

This is an emergency as defined in 326 IAC 2-7-1(12)

CThe Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and

CThe Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile

Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16

1	f anv	of the	following	are not	applicable.	mark N	I/A
- 1	ıaııv	VI 1116	10,110,100,1110,101	מוכיווטו	anninging.	יו מותוו	,,,

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A	Page 2 of 2
Date/Time Emergency started:	
Date/Time Emergency was corrected:	
Was the facility being properly operated at the time of the emergency? Y N Describe:	
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:	
Estimated amount of pollutant(s) emitted during emergency:	
Describe the steps taken to mitigate the problem:	
Describe the corrective actions/response steps taken:	
Describe the measures taken to minimize emissions:	
If applicable, describe the reasons why continued operation of the facilities are necess imminent injury to persons, severe damage to equipment, substantial loss of capital in loss of product or raw materials of substantial economic value:	

Form Completed b	y:
Title / Position:	
Date:	
Phone:	

A certification is not required for this report.

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Center Terminal Company Indianapolis, Indiana Permit Reviewer: ERG/KC

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

	FESOI	P Quarterly Report		
Source Name: Center Terminal Company - Indianapolis Source Address: 10833 E. County Road 300 North, Indianapolis, IN 46234 Mailing Address: 10833 E. County Road 300 North, Indianapolis, IN 46234 FESOP No.: F063-13933-00007 Facility: Loading rack Parameter: Throughput Limit: Less than 510,263,795 tons per twelve (12) consecutive month period				
	YEAI	R:		
N 41	Column 1	Column 2	Column 1 + Column 2	
Month	This Month	Previous 11 Months	12 Month Total	
Month 1				
Month 2				
Month 3				
9	No deviation occurred i	n this quarter		
9 Deviation/s occurred in this quarter. Deviation has been reported on:				
Submitted by: Title / Position: Signature: Date: Phone:				

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Center Terminal Company - Indianapolis Source Address: 10833 E. County Road 300 North, Indianapolis, IN 46234 Mailing Address: 10833 E. County Road 300 North, Indianapolis, IN 46234 FESOP No.: F063-13933-00007 Months: _____ to _____ Year: _____ Page 1 of 2 This report is an affirmation that the source has met all the requirements stated in this permit. This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period". 9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD. 9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD **Permit Requirement** (specify permit condition #) **Date of Deviation: Duration of Deviation: Number of Deviations: Probable Cause of Deviation: Response Steps Taken:** Permit Requirement (specify permit condition #) **Date of Deviation: Duration of Deviation: Number of Deviations: Probable Cause of Deviation: Response Steps Taken:**

Page 2 of 2

	1 ago 2 oi 2				
Permit Requirement (specify permit condition #)					
Date of Deviation:	Duration of Deviation:				
Number of Deviations:					
Probable Cause of Deviation:					
Response Steps Taken:					
Permit Requirement (specify permit condition #)					
Date of Deviation:	Duration of Deviation:				
Number of Deviations:					
Probable Cause of Deviation:					
Response Steps Taken:					
Permit Requirement (specify permit condition #)	Permit Requirement (specify permit condition #)				
Date of Deviation:	Duration of Deviation:				
Number of Deviations:					
Probable Cause of Deviation:					
Response Steps Taken:					
Form Completed By:					
Title/Position:	<u> </u>				
Date:					
Phone:					

Attach a signed certification to complete this report.

November 28, 2001

Indiana Department of Environmental Management Office of Air Quality

Addendum to the Technical Support Document for Federally Enforceable State Operating Permit (FESOP)

Source Background and Description

Source Name: Center Terminal Company - Indianapolis

Source Location: 10833 E. County Road 300 North, Indianapolis, IN 46234

County: Hendricks SIC Code: 5171

Operation Permit No.: F063-13933-00007

Permit Reviewer: ERG/KC

On October 18, 2001, the Office of Air Quality (OAQ) had a notice published in the Hendricks County Flyer, Plainfield, Indiana, stating that Center Terminal Company - Indianapolis had applied for a Federally Enforceable State Operating Permit (FESOP) to operate a petroleum loading and storage plant with control. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Upon further review, IDEM, OAQ made the following changes to the permit:

1. In order to ensure that reports are sent to the appropriate division, the following changes were made:

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:

Indiana Department of Environmental Management Compliance **Branch**Data Section, Office of Air Quality 100 North Senate Avenue, P.O. Box 6015 Indianapolis, Indiana 46206-6015

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE BRANCH

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTIONBRANCH

FESOP Quarterly Report

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTIONBRANCH

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

2. For clarification purposes, the loading rack was placed in a separate D section. The following changes were made:

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (a) One storage tank, identified as 55-1, constructed in 1961, storing gasoline, with a maximum storage capacity of 2,310,000 gallons;
- (b) One storage tank, identified as 45-2, constructed in 1961, storing gasoline, with a maximum storage capacity of 1,890,000 gallons;
- (c) One storage tank, identified as 35-3, constructed in 1961, storing fuel oil, with a maximum storage capacity of 1,470,000 gallons;

Center Terminal Company Indianapolis, Indiana Permit Reviewer: ERG/KC

SECTION D.1 FACILITY OPERATION CONDITIONS

- (d) One storage tank, identified as 25-4, constructed in 1961 and modified in 1975, storing gasoline, with a maximum storage capacity of 1,050,000 gallons;
- (e) One storage tank, identified as 5, constructed in 1986, storing fuel ethanol, with a maximum storage capacity of 20,000 gallons; **and**
- (f) One storage tank, identified as IVL, constructed in 1994, storing gasoline additive, with a maximum storage capacity of 8,000 gallons.; and
- (g) Tank truck/tank car loading operations with VOC emissions controlled with one (1) carbon adsorption vapor recover unit, identified as CE-1, venting to stack 2-S-1(P)-A/B.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 FESOP Limit [326 IAC 2-8]

This source shall limit the throughput to the loading rack to less than 510,263,795 tons per twelve (12) consecutive month period and shall use the carbon absorption vapor recovery unit with a control efficiency of 95% to limit VOC emissions. This limit is equivalent to limiting VOC emissions to less than eight-seven (87) tons per twelve (12) consecutive month period. This limit is structured such that when including emissions from the tanks, the total source VOC emissions are limited to less than one hundred (100) tons per twelve (12) consecutive month period. This will render the requirements of 326 IAC 2-7 (Part 70 Permit Program), 326 IAC 2-2 (Prevention of Significant Deterioration), and 40 CFR 52.21 not applicable.

D.1.21 Storage Vessels [40 CFR 60, Subpart Kb] [326 IAC 12]

Tank 5 is subject to the New Source Performance Standard (NSPS), 326 IAC 12, 40 CFR Part 60 Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, because the storage tank was constructed after 1984, is larger than 40 m³, and stores volatile organic compounds. There are no limits applicable to this storage tank; however, the source must comply with the applicable record keeping requirements specified in the Record Keeping Requirements condition of this section.

D.1.32 Storage Vessels [326 IAC 8-4-3]

326 IAC 8-4-3 (Petroleum Sources - Petroleum Liquid Storage Facilities) applies to Tank 55-1, 45-2, and 25-4 because these tanks are located in Hendricks County which is listed in the applicability of this rule. Additionally these tanks are larger than 39,000 gallons and store volatile organic compounds with true vapor pressures greater than 1.52 psia.

- (a) No owner or operator of tank 25-4 shall permit the use of such facility unless:
 - (1) The facility has been retrofitted with an internal floating roof equipped with a closure seal, or seals, to close the space between the roof edge and tank wall unless the source has been retrofitted with equally effective alternative control which has been approved.
 - (2) The facility is maintained such that there are no visible holes, tears, or other openings in the seal or any seal fabric or materials.

- (3) All openings, except stub drains, are equipped with covers, lids, or seals such that:
 - (A) The cover, lid, or seal is in the closed position at all times except when in actual use;
 - (B) Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports;
 - (C) Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting.
- (b) No owner or operator of tank 55-1 and 45-2 shall permit the use of such facility unless:
 - (1) The facility has been fitted with:
 - (A) A continuous secondary seal extending from the floating roof to the tank wall (rim-mounted secondary seal); or
 - (B) A closure or other device approved by the commissioner which is equally effective.
 - (2) All seal closure devices meet the following requirements:
 - (A) There are no visible holes, tears, or other openings in the seal(s) or seal fabric:
 - (B) The seal(s) are intact and uniformly in place around the circumference of the floating roof between the floating roof and the tank wall.
 - (C) For vapor mounted primary seals, the accumulated gap area around the circumference of the secondary seal where a gap exceeding one-eighth (C) inch exists between the secondary seal and the tank wall shall not exceed 1.0 square inch per foot of tank diameter. There shall be no gaps exceeding one-half (½) inch between the secondary seal and the tank wall of welded tanks and no gaps exceeding one (1) inch between the secondary seal and the tank wall of riveted tanks.
 - (3) All openings in the external floating roof, except for automatic bleeder vents, rim space vents, and leg sleeves, are:
 - (A) Equipped with covers, seals, or lids in the closed position except when the openings are in actual use; and
 - (B) Equipped with projections into the tank which remain below the liquid surface at all times.
 - (4) Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports;
 - (5) Rim vents are set to open when the roof is being floated off the leg supports or at the manufacturer's recommended setting; and
 - (6) Emergency roof drains are provided with slotted membrane fabric covers or equivalent covers which cover at least ninety percent (90%) of the area of the

opening.

D.1.4 Volatile Organic Compounds [326 IAC 8-4-4]

326 IAC 8-4-4 (Petroleum Sources - Bulk Gasoline Terminals) applies to this source because this source is a bulk gasoline terminal and this source is located in Hendricks County which is listed in the applicability of this rule. Pursuant to this rule, no owner or operator of a bulk gasoline terminal shall permit the loading of gasoline into any transport, excluding railroad tank cars, or barges, unless:

- (a) The bulk gasoline terminal is equipped with a vapor control system, in good working order, in operation and consisting of one of the following:
 - (1) An adsorber or condensation system which processes and recovers vapors and gases from the equipment being controlled, releasing no more than 80 mg/l of VOC to the atmosphere.
 - (2) A vapor collection system which directs all vapors to a fuel gas system or incinerator.
 - (3) An approved control system, demonstrated to have control efficiency equivalent to or greater than clause (1) above.
- (b) Displaced vapors and gases are vented only to the vapor control system.
- (c) A means is provided to prevent liquid drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.
- (d) All loading and vapor lines are equipped with fittings which make vapor-tight connections and which will be closed upon disconnection.
- (e) If employees of the owner of the bulk gasoline terminal are not present during loading, it shall be the responsibility of the owner of the transport to make certain the vapor control system is attached to the transport. The owner of the terminal shall take all reasonable steps to insure that owners of transports loading at the terminal during unsupervised times comply with this section

D.1.5 Leaks from Transports and Vapor Collection Systems [326 IAC 8-4-9]

326 IAC 8-4-9 (Petroleum Sources - Leaks from Transports and Vapor Collection Systems; Records) applies to this source because the source is in Hendricks County which is listed in the applicability of this rule and the source is subject to 326 IAC 8-4-4 and 326 IAC 8-4-7. Pursuant to this rule:

- (a) The Permittee shall not allow any gasoline transport to be filled or emptied unless the gasoline transport completes the following:
 - (1) Is tested annually according to test procedures consistent with Appendix A of "Control of Organic Compound Leaks from Gasoline Tank Trucks or and Vapor Collection Systems", EPA-450/2-78-051*, or equivalent procedure approved by the Commissioner.
 - (2) Sustains a pressure change of no more than seven hundred and fifty (750)
 Pascals (three (3) inches of water) in five (5) minutes when pressurized to a
 gauge pressure of four thousand five hundred (4,500) Pascals (eighteen (18)
 inches of water) or evacuated to a gauge pressure of one thousand five hundred

Center Terminal Company Indianapolis, Indiana Permit Reviewer: ERG/KC

(1,500) Pascals (six (6) inches of water) during the testing required subdivision (1).

- (3) Is repaired by the owner or operator and retested within fifteen (15) days of testing if it does not meet the criteria of subdivision (2).
- (b) The Permittee shall operate the vapor control system and the gasoline loading rack in a manner that prevents:
 - (1) Gauge pressure from exceeding four thousand five hundred (4,500) Pascals (eighteen (18) inches of water) and a vacuum from exceeding one thousand five hundred (1,500) Pascals (six (6) inches of water) in the gasoline tank truck.
 - (2) A reading equal to or greater than one hundred percent (100%) of the lower explosive limit (LEL, measured as propane) at two and five-tenths (2.5) centimeters from all points on the perimeter of a potential leak source when measured by the method referenced in Appendix B of "Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems", EPA 450/2-78-051, or an equivalent procedure approved by the Commissioner during loading or unloading operations at gasoline dispensing facilities, bulk plants, and bulk terminals.
 - (3) Avoidable visible liquid leaks during loading or unloading operations at gasoline dispensing facilities, bulk plants, and bulk terminals.
- (c) The Permittee shall repair and retest a vapor collection or control system that exceeds the limits in Condition (b) within fifteen (15) days.

D.1.63 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

Compliance Determination Requirements

D.1.7 Volatile Organic Compounds (VOC)

In order to comply with Conditions D.1.1, D.1.4, and D.1.5, the carbon adsorption vapor recover unit for VOC control shall be in operation at all times when loading operations are taking place.

D.1.8 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

During the period between 30 and 36 months after issuance of this permit, in order to demonstrate compliance with Condition D.1.1 the Permittee shall perform VOC testing on the carbon adsorption unit utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.1.94 Monitoring

- (a) The Permittee shall conduct quarterly inspections of Tank 55-1, 45-2, and 25-4 for visible holes, tears, or other openings in the seal or any seal fabric or materials.
- (b) The Permittee shall record the inlet pressure of the carbon adsorption unit used in conjunction with the loading rack at least once weekly when the loading rack is in operation. Unless operated under conditions for which the Compliance Response Plan

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specifies otherwise, the inlet pressure on the carbon adsorption unit shall be maintained within the range of 0 and 10 psi gauge pressure. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

D.1.10 Carbon Replacement

If, on any given day, the back pressure has increased by more than 50% from the previous reading, the carbon shall be replaced.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.115Record Keeping Requirements

- (a) To document compliance with Condition D.1.1, the Permittee shall maintain a record of the throughput to the loading rack.
- (ba) To document compliance with Condition D.1.21, the permittee shall maintain a record showing the dimension of the storage vessels and an analysis showing the capacity of the storage vessels.
- (c) To document compliance with Condition D.1.5, the Permittee shall maintain records of all certification testing. The records shall identify the following:
 - (1) The vapor balance, vapor collection, or vapor control system;
 - (2) The date of the test and, if applicable, retest; and
 - (3) The results of the test and, if applicable, retest.
- (db) To document compliance with Condition D.1.94, the Permittee shall maintain a record of the results of the inspections performed on the storage vessels-and shall maintain weekly records of the inlet pressure readings during normal operation.
- (e) To document compliance with Condition D.1.10, the Permittee shall maintain a log of carbon replacement dates.
- (fc) All records shall be maintained in accordance with Section C General Record Keeping Requirements, of this permit.

D.1.12 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities

- (a) Cleaners and solvent characterized as follows:
 - (1) Having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38 degrees C (100oF); or
 - (2) Having a vapor pressure equal to or less than 0,7 kPa; 5 mm Hg; or 0.1 psi measured at 20 degrees C (68oF).

The use of which for all cleaners and solvents combined does not exceed 145 gallons per twelve months.

- (b) Process vessel degassing and cleaning to prepare for internal repairs.
- (c) Paved and unpaved roads and parking lots with public access.
- (d) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (e) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.
- (f) On-site fire and emergency response training approved by the department.
- (g) Filter or coalesce media changeout.
- (h) Emission units with PM and PM10 emissions less than five (5) tons per year, SO2, NOx, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year:
 - (1) A loading rack secondary containment underground oil-water separator and slop tank.
- (g) Tank truck/tank car loading operations with VOC emissions controlled with one (1) carbon adsorption vapor recover unit, identified as CE-1, venting to stack 2-S-1(P)-A/B.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

There are no specific regulations applicable to these sources.

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 FESOP Limit [326 IAC 2-8]

This source shall limit the throughput to the loading rack to less than 510,263,795 tons per twelve (12) consecutive month period and shall use the carbon absorption vapor

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recovery unit with a control efficiency of 95% to limit VOC emissions. This limit is equivalent to limiting VOC emissions to less than eight-seven (87) tons per twelve (12) consecutive month period. This limit is structured such that when including emissions from the tanks, the total source VOC emissions are limited to less than one hundred (100) tons per twelve (12) consecutive month period. This will render the requirements of 326 IAC 2-7 (Part 70 Permit Program), 326 IAC 2-2 (Prevention of Significant Deterioration), and 40 CFR 52.21 not applicable.

D.2.2 Volatile Organic Compounds [326 IAC 8-4-4]

326 IAC 8-4-4 (Petroleum Sources - Bulk Gasoline Terminals) applies to this source because this source is a bulk gasoline terminal and this source is located in Hendricks County which is listed in the applicability of this rule. Pursuant to this rule, no owner or operator of a bulk gasoline terminal shall permit the loading of gasoline into any transport, excluding railroad tank cars, or barges, unless:

- (a) The bulk gasoline terminal is equipped with a vapor control system, in good working order, in operation and consisting of one of the following:
 - (1) An adsorber or condensation system which processes and recovers vapors and gases from the equipment being controlled, releasing no more than 80 mg/l of VOC to the atmosphere.
 - (2) A vapor collection system which directs all vapors to a fuel gas system or incinerator.
 - (3) An approved control system, demonstrated to have control efficiency equivalent to or greater than clause (1) above.
- (b) Displaced vapors and gases are vented only to the vapor control system.
- (c) A means is provided to prevent liquid drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.
- (d) All loading and vapor lines are equipped with fittings which make vapor-tight connections and which will be closed upon disconnection.
- (e) If employees of the owner of the bulk gasoline terminal are not present during loading, it shall be the responsibility of the owner of the transport to make certain the vapor control system is attached to the transport. The owner of the terminal shall take all reasonable steps to insure that owners of transports loading at the terminal during unsupervised times comply with this section.

D.2.3 Leaks from Transports and Vapor Collection Systems [326 IAC 8-4-9]

326 IAC 8-4-9 (Petroleum Sources - Leaks from Transports and Vapor Collection Systems; Records) applies to this source because the source is in Hendricks County which is listed in the applicability of this rule and the source is subject to 326 IAC 8-4-4 and 326 IAC 8-4-7. Pursuant to this rule:

(a) The Permittee shall not allow any gasoline transport to be filled or emptied unless the gasoline transport completes the following:

- (1) Is tested annually according to test procedures consistent with Appendix A of "Control of Organic Compound Leaks from Gasoline Tank Trucks or and Vapor Collection Systems", EPA-450/2-78-051*, or equivalent procedure approved by the Commissioner.
- (2) Sustains a pressure change of no more than seven hundred and fifty (750) Pascals (three (3) inches of water) in five (5) minutes when pressurized to a gauge pressure of four thousand five hundred (4,500) Pascals (eighteen (18) inches of water) or evacuated to a gauge pressure of one thousand five hundred (1,500) Pascals (six (6) inches of water) during the testing required subdivision (1).
- (3) Is repaired by the owner or operator and retested within fifteen (15) days of testing if it does not meet the criteria of subdivision (2).
- (b) The Permittee shall operate the vapor control system and the gasoline loading rack in a manner that prevents:
 - (1) Gauge pressure from exceeding four thousand five hundred (4,500)
 Pascals (eighteen (18) inches of water) and a vacuum from exceeding one thousand five hundred (1,500) Pascals (six (6) inches of water) in the gasoline tank truck.
 - (2) A reading equal to or greater than one hundred percent (100%) of the lower explosive limit (LEL, measured as propane) at two and five-tenths (2.5) centimeters from all points on the perimeter of a potential leak source when measured by the method referenced in Appendix B of "Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems", EPA 450/2-78-051, or an equivalent procedure approved by the Commissioner during loading or unloading operations at gasoline dispensing facilities, bulk plants, and bulk terminals.
 - (3) Avoidable visible liquid leaks during loading or unloading operations at gasoline dispensing facilities, bulk plants, and bulk terminals.
- (c) The Permittee shall repair and retest a vapor collection or control system that exceeds the limits in Condition (b) within fifteen (15) days.

D.2.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

Compliance Determination Requirements

D.2.5 Volatile Organic Compounds (VOC)

In order to comply with Conditions D.2.1, D.2.2, and D.2.3, the carbon adsorption vapor recover unit for VOC control shall be in operation at all times when loading operations are taking place.

D.2.6 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

During the period between 30 and 36 months after issuance of this permit, in order to demonstrate compliance with Conditions D.2.1 and D.2.2 the Permittee shall perform VOC testing on the carbon adsorption unit utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.2.7 Monitoring

The Permittee shall record the inlet pressure of the carbon adsorption unit used in conjunction with the loading rack at least once weekly when the loading rack is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the inlet pressure on the carbon adsorption unit shall be maintained within the range of 0 and 10 psi gauge pressure. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

D.2.8 Carbon Replacement

If, on any given day, the back pressure has increased by more than 50% from the previous reading, the carbon shall be replaced.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.9 Record Keeping Requirements

- (a) To document compliance with Condition D.2.1, the Permittee shall maintain a record of the throughput to the loading rack.
- (b) To document compliance with Condition D.2.3, the Permittee shall maintain records of all certification testing. The records shall identify the following:
 - (1) The vapor balance, vapor collection, or vapor control system;
 - (2) The date of the test and, if applicable, retest; and
 - (3) The results of the test and, if applicable, retest.
- (c) To document compliance with Condition D.2.7, the Permittee shall maintain weekly records of the inlet pressure readings during normal operation.
- (d) To document compliance with Condition D.2.8, the Permittee shall maintain a log of carbon replacement dates.
- (e) All records shall be maintained in accordance with Section C General Record Keeping Requirements, of this permit.

D.2.10 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of

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this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

November 28, 2001

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a Federally Enforceable Operating Permit (FESOP)

Source Background and Description

Source Name: Center Terminal Company - Indianapolis

Source Location: 10833 E. County Road 300 North, Indianapolis, IN 46234

County: Hendricks SIC Code: 5171

Operation Permit No.: F063-13933-00007

Permit Reviewer: ERG/KC

The Office of Air Quality (OAQ) has reviewed a FESOP application from Center Terminal Company - Indianapolis relating to the operation of a petroleum loading and storage plant.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

- (a) One storage tank, identified as 55-1, constructed in 1961, storing gasoline, with a maximum storage capacity of 2,310,000 gallons.
- (b) One storage tank, identified as 45-2, constructed in 1961, storing gasoline, with a maximum storage capacity of 1,890,000 gallons.
- (c) One storage tank, identified as 35-3, constructed in 1961, storing fuel oil, with a maximum storage capacity of 1,470,000 gallons.
- (d) One storage tank, identified as 25-4, constructed in 1961 and modified in 1975, storing gasoline, with a maximum storage capacity of 1,050,000 gallons.
- (e) One storage tank, identified as 5, constructed in 1986, storing fuel ethanol, with a maximum storage capacity of 20,000 gallons.
- (f) One storage tank, identified as IVL, constructed in 1994, storing gasoline additive, with a maximum storage capacity of 8,000 gallons.
- (g) Tank truck/tank car loading operations with VOC emissions controlled with one (1) carbon adsorption vapor recover unit, identified as CE-1, venting to stack 2-S-1(P)-A/B.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted facilities operating at this source during this review process.

New Emission Units and Pollution Control Equipment Receiving New Source Review Approval

There are no new emission units and pollution control equipment receiving new source review approval during this review process.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Cleaners and solvent characterized as follows:
 - (1) Having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38 degrees C (100°F); or
 - (2) Having a vapor pressure equal to or less than 0,7 kPa; 5 mm Hg; or 0.1 psi measured at 20 degrees C (68°F).

The use of which for all cleaners and solvents combined does not exceed 145 gallons per twelve months.

- (b) Process vessel degassing and cleaning to prepare for internal repairs.
- (c) Paved and unpaved roads and parking lots with public access.
- (d) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (e) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.
- (f) On-site fire and emergency response training approved by the department.
- (g) Filter or coalesce media changeout.
- (h) Emission units with PM and PM10 emissions less than five (5) tons per year, SO₂, NOx, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year:
 - (1) A loading rack secondary containment underground oil-water separator and slop tank.

Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

- (a) 063-8122-00007, issued on March 11, 1997; and
- (b) 32-05-93-0084, issued on December 15, 1989.

All conditions from previous approvals were incorporated into this FESOP.

Enforcement Issue

A FESOP application was required by December 14, 1996. This application was received April 9, 2001. Therefore Center Terminal Company - Indianapolis is out of compliance with 326 IAC 2-7 (Part 70 Permit Program).

IDEM is aware that the Permittee is out of compliance with 326 IAC 2-7. IDEM is reviewing this matter and will take appropriate action.

Recommendation

The staff recommends to the Commissioner that the FESOP be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete FESOP application for the purposes of this review was received on April 9, 2001.

Emission Calculations

See Appendix A of this document for detailed emissions calculations (page 1 through 2). Appendix B contains TANKS printouts for the storage tanks.

Unrestricted Potential Emissions

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA."

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Unrestricted Potential Emissions (tons/year)
PM	0
PM-10	0
SO ₂	0
VOC	323.80
СО	0
NO _x	0

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

HAPs	Unrestricted Potential Emissions (tons/year)
1,2,4 - Trimethylbenzene	1.69x10-2
Benzene	5.98x10-2
Cyclohexane	8.28x10-3
Ethylbenzene	6.19x10-3
Hexane	5.44x10-2

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HAPs	Unrestricted Potential Emissions (tons/year)
Isooctane	6.29x10-2
Isopropylbenzene	1.28x10-3
Toluene	7.62x10-2
Xylene	4.16x10-2
Butanol	1.15x10-4
TOTAL	0.33

- (a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of VOC are equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) Pursuant to 326 IAC 2-8, this source, otherwise required to obtain a Title V permit, has agreed to accept a permit with federally enforceable limits that restrict PTE to below Title V emission levels. Therefore, this source will be issued a Federally Enforceable State Operating Permit (FESOP). This source has chosen to limit the emissions of VOC to less than one hundred (100) tons per twelve (12) consecutive month period. This limitation will render the requirements of 326 IAC 2-7 not applicable.
- (c) Fugitive Emissions
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD and Emission Offset applicability.

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. Center Terminal Company - Indianapolis has chosen to limit emissions of VOCs to below one hundred (100) tons per year. This limitation will render 326 IAC 2-7 (Part 70 Permit Program) not applicable. The control equipment is considered federally enforceable only after issuance of this Federally Enforceable State Operating Permit.

Process/				Potential to l (tons/yea			
Facility	PM	PM-10	SO ₂	VOC	СО	NO_X	Total HAPs
Tanks	0	0	0	12.8	0	0	0.33
Loading Operations	0	0	0	Less than 87	0	0	8
Total Emissions	0	0	0	Less than 100	0	0	8.33

County Attainment Status

The source is located in Hendricks County.

Pollutant	Status
PM-10	Attainment

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Pollutant	Status
SO ₂	Attainment
NO_2	Attainment
Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) and oxides of nitrogen (NOx) are precursors for the formation of ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Hendricks County has been designated as attainment or unclassifiable for ozone.
- (b) Hendricks County has been classified as attainment or unclassifiable for PM10, SO2, NO2, CO, and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.

Federal Rule Applicability

- (a) Tank 5 is subject to the New Source Performance Standard (NSPS), 326 IAC 12, 40 CFR Part 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, because the storage tank was constructed after 1984, is larger than 40 m³, and stores volatile organic compounds. There are no limits applicable to this storage tank; however, the source must maintain records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.
- (b) Tanks 55-1, 45-2, and 35-3 are not subject to the New Source Performance Standard (NSPS), 40 CFR 60, Subpart K (326 IAC 12), Standards of Performance for Volatile Organic Liquid Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification commenced after June 11, 1973 and prior to May 19, 1978 because the storage tanks were constructed in 1961 prior to 1973. Tank 25-4 is not subject to 40 CFR 60, Subpart K because it was constructed prior to the applicability date of the rule. In 1975 a floating roof was installed on the tank. Since this alteration reduced emissions, it was not considered a modification.
- (c) Tank IVF is not subject to the New Source Performance Standard (NSPS), 40 CFR 60, Subpart Kb (326 IAC 12) Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, because the storage tank is smaller than 40 m³.
- (d) This source is not subject to the New Source Performance Standard (NSPS), 40 CFR 60, Subpart XX (326 IAC 12) - Standards of Performance for Bulk Gasoline Terminals because the terminal was constructed before the applicability date for this rule (December 17, 1980).
- (e) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14 and 40 CFR Part 63) applicable to this source. This source is not subject to the requirements of 40 CFR Part 63, Subpart R because this rule applies to sources that are a major source for HAPs. This source is not major for HAP emissions.

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State Rule Applicability - Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration)

The FESOP VOC limit will make the source minor for PSD. Therefore, this will render the requirements of 326 IAC 2-2 and 40 CFR 52.21 not applicable.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

This source emits less than 10 tons per year of a single HAP or 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is located in Hendricks County and the potential to emit VOC is limited to less than one hundred (100) tons per year. Therefore, 326 IAC 2-6 does not apply.

326 IAC 2-8 (FESOP)

This source shall limit the throughput to the loading rack to less than 510, 263, 795 tons per twelve (12) consecutive month period and shall use the carbon adsorption vapor recovery unit with a control efficiency of 95% to limit VOC emissions. This limit is equivalent to limiting VOC emissions from the loading rack to less than eighty-seven (87) tons per twelve (12) consecutive month period. The limit is structured such that when including emissions from the tanks, the total source VOC emissions are limited to less than one hundred (100) tons per twelve (12) consecutive month period. This will render the requirements of 326 IAC 2-7 (Part 70 Permit Program) not applicable.

326 IAC 6-3-2 (Process Operations)

This source is not subject to 326 IAC 6-3-2 because this source does not emit any particulate matter.

326 IAC 8-4-2 (Petroleum Sources - Petroleum Refineries)

326 IAC 8-4-2 (Petroleum Sources - Petroleum Réfineries) does not apply to this source even though the source is in Hendricks County which is listed in the applicability of this rule because this source is not a petroleum refinery. This source just stores petroleum compounds.

326 IAC 8-4-3 (Petroleum Sources - Petroleum Liquid Storage Facilities)

326 IAC 8-4-3 (Petroleum Sources - Petroleum Liquid Storage Facilities) applies to Tank 55-1, 45-2, and 25-4 because these tanks are located in Hendricks County which is listed in the applicability of this rule. Additionally these tanks are larger than 39,000 gallons and store volatile organic compounds with true vapor pressures greater than 1.52 psia.

326 IAC 8-4-4 (Petroleum Sources - Bulk Gasoline Terminals)

326 IAC 8-4-4 (Petroleum Sources - Bulk Gasoline Terminals) applies to this source because this source is a bulk gasoline terminal and this source is located in Hendricks County which is listed in the applicability of this rule.

326 IAC 8-4-5 (Petroleum Sources - Bulk Gasoline Plants)

326 IAC 8-4-5 (Petroleum Sources - Bulk Gasoline Plants) does not apply to this source even though the source is in Hendricks County which is listed in the applicability of this rule because this source is not a bulk gasoline plant. This source just stores petroleum compounds.

326 IAC 8-4-6 (Gasoline Dispensing Facilities)

326 IAC 8-4-6 (Gasoline Dispensing Facilities) does not apply to this source even though the source is in Hendricks County which is listed in the applicability of this rule because this source does not dispense gasoline into motor vehicle fuel tanks or portable container. This source dispenses gasoline into trucks which transport the gasoline to various gasoline dispensing facilities.

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326 IAC 8-4-7 (Petroleum Sources - Gasoline Transports)

326 IAC 8-4-7 (Petroleum Sources - Gasoline Transports) does not apply to this source even though the source is in Hendricks County which is listed in the applicability of this rule because this source does not transport gasoline. This source just stores petroleum compounds.

- 326 IAC 8-4-8 (Petroleum Sources Leaks from Petroleum Refineries; Monitoring; Reports)
 326 IAC 8-4-8 (Petroleum Sources Leaks from Petroleum Refineries; Monitoring; Reports)
 does not apply to this source even though the source is in Hendricks County which is listed in
 the applicability of this rule because this source is not a Petroleum Refinery. This source just
 stores petroleum compounds.
- 326 IAC 8-4-9 (Petroleum Sources Leaks from Transports and Vapor Collection Systems; Records) 326 IAC 8-4-9 (Petroleum Sources Leaks from Transports and Vapor Collection Systems; Records) applies to this source because the source is in Hendricks County which is listed in the applicability of this rule and section 4 of this rule applies to this source.

Testing Requirements

VOC testing is required for the carbon adsorber because the uncontrolled potential to emit from the loading operations is ninety-six percent (96%) of the source's potential to emit of VOC, the major pollutant.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

- 1. The tanks have applicable compliance monitoring conditions as specified below:
 - (a) The Permittee shall conduct quarterly inspections of tank 55-1, 45-2, and 25-4 for visible holes, tears, or other openings in the seal or any seal fabric or materials.
- 2. The carbon adsorption unit has applicable compliance monitoring conditions as specified below:
 - (a) The Permittee shall record the inlet pressure of the carbon adsorption unit used in conjunction with the loading rack at least once weekly when the loading rack is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the inlet pressure on the carbon adsorption

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unit shall be maintained within the range of 0 and 10 psi gauge pressure. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

These monitoring conditions are necessary because carbon adsorption unit must operate properly to ensure compliance with 326 IAC 2-8 (FESOP).

Conclusion

The operation of this petroleum loading and storage plant shall be subject to the conditions of the attached proposed FESOP No.: F063-13933-00007.

Appendix A: Emission Calculations Page 1 of 2 TSD App A

Loading Loss

Company Name: Center Terminal Company Address City IN Zip: 10833 E. County Road 300 North

Permit Number: 063-13933-00007

Plt ID: 063-00007 Reviewer: ERG/KC Date: 05/15/01

Loading Loss Equation: L = 12.46SPM/T

Where: L = Loading loss, (lb/1000 gal liq loaded) S = Saturation Factor (Table 5.2-1 AP42)

P = True vapor pressure of liquid loaded (psia) (Figure 7.1-14a AP42)

M = Molecular weight (lb/lbmol) (Table 7.1 AP42)

T = Temperature (R)

S = 0.6 (Submerged loading: dedicated normal service)

P = worst case liquid: Gasoline (RVP 15)

from Table 5.2-1 AP42, P = 8 psia

M = worst case liquid: Gasoline (RVP 15)

from Table 7.1 AP42: M = 59.33 lb/lb mol

T = 60 F 520 R

L = 12.46*(0.6)*(8 psia)*(59.33 lb/lbmol)/(520 R) = 6.82 lb/1000 gal

Throughput = 250,000 gal/day

VOC emissions (ton/yr) = (6.82 lb/1000 gal)*(250000 gal/day)/(24 hr/day)*(8760 hr/yr)/(2000 lb/ton) = 311 ton/yr

Adsorber Efficiency = 95%

Controlled Emissions = (311 ton/yr) * (1-.95) = 15.6 ton/yr

Throughput Limit

Limited VOC emissions = 87 ton/yr

Limited Controlled Emissions = Limited VOC potential emissions * (1-.95) = 87 ton/yr

Limited VOC potential emissions = 1740 ton/yr

1740 ton/yr = (6.82 lb/1000 gal) * (X gal/day) / (24 hr/day) * (8760 hr/yr) / (2000 lb/ton)

Limited throughput = 1,397,980 gal/day (510,263,795 gal/yr)

Appendix A: Emission Calculations Page 1 of 2 TSD App A

Loading Loss

Company Name: Center Terminal Company Address City IN Zip: 10833 E. County Road 300 North

Permit Number: 063-13933-00007

Plt ID: 063-00007 Reviewer: ERG/KC Date: 05/15/01

Loading Loss Equation: L = 12.46SPM/T

Where: L = Loading loss, (lb/1000 gal liq loaded) S = Saturation Factor (Table 5.2-1 AP42)

P = True vapor pressure of liquid loaded (psia) (Figure 7.1-14a AP42)

M = Molecular weight (lb/lbmol) (Table 7.1 AP42)

T = Temperature (R)

S = 0.6 (Submerged loading: dedicated normal service)

P = worst case liquid: Gasoline (RVP 15)

from Table 5.2-1 AP42, P = 8 psia

M = worst case liquid: Gasoline (RVP 15)

from Table 7.1 AP42: M = 59.33 lb/lb mol

T = 60 F 520 R

L = 12.46*(0.6)*(8 psia)*(59.33 lb/lbmol)/(520 R) = 6.82 lb/1000 gal

Throughput = 250,000 gal/day

VOC emissions (ton/yr) = (6.82 lb/1000 gal)*(250000 gal/day)/(24 hr/day)*(8760 hr/yr)/(2000 lb/ton) = 311 ton/yr

Adsorber Efficiency = 95%

Controlled Emissions = (311 ton/yr) * (1-.95) = 15.6 ton/yr

Throughput Limit

Limited VOC emissions = 87 ton/yr

Limited Controlled Emissions = Limited VOC potential emissions * (1-.95) = 87 ton/yr

Limited VOC potential emissions = 1740 ton/yr

1740 ton/yr = (6.82 lb/1000 gal) * (X gal/day) / (24 hr/day) * (8760 hr/yr) / (2000 lb/ton)

Limited throughput = 1,397,980 gal/day (510,263,795 gal/yr)

Appendix A: Emission Calculations TANKS Summary

Company Name: Center Terminal Company Address City IN Zip: 10833 E. County Road 300 North

Permit Number: 063-13933-00007

Plt ID: 063-00007 Reviewer: ERG/KC Date: 05/15/01

Tank	VOC (ton/yr)	1,2,4-Trimethylbenzene (ton/yr)	Benzene (ton/yr)	Cyclohexane (ton/yr)	Ethylbenzene (ton/yr)	Hexane (ton/yr)	Isooctane (ton/yr)	Isopropyl Benzene (ton/yr)	Toluene (ton/yr)	Xylene (ton/yr)	Butanol (ton/yr)
55-1	5.33	1.54E-03	2.49E-02	3.46E-03	2.23E-03	2.27E-02	2.61E-02	4.75E-04	2.88E-02	9.74E-03	0
45-2	4.91	1.37E-03	2.37E-02	3.28E-03	2.07E-03	2.16E-02	2.47E-02	4.30E-04	2.72E-02	8.99E-03	0
35-3	0.26	1.31E-02	0	0	7.20E-04	0	0	0	6.71E-03	1.73E-02	0
25-4	2.31	9.40E-04	1.12E-02	1.55E-03	1.14E-03	1.01E-02	1.22E-02	2.65E-04	1.35E-02	5.06E-03	0
IVL	2.49E-03	0	0	0	3.00E-05	0	0	1.10E-04	0	5.00E-04	1.15E-03
Totals	12.80	1.69E-02	5.98E-02	8.28E-03	6.19E-03	5.44E-02	6.29E-02	1.28E-03	7.62E-02	4.16E-02	1.15E-03

conditions occur in which one of the samples must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operators' control, compliance may be determined using available data for the 7-day period.

(e) Each owner or operator subject to §60.104(b) who has demonstrated compliance with one of the provisions of §60.104(b) but a later date seeks to comply with another of the provisions of §60.104(b) shall begin conducting daily performance tests as specified under paragraph (d) of this section immediately upon electing to become subject to one of the other provisions of §60.104(b). The owner or operator shall furnish the Administrator with a written notification of the change in the semiannual required report §60.107(e).

[54 FR 34030, Aug. 17, 1989, as amended at 55 FR 40178, Oct. 2, 1990; 64 FR 7466, Feb. 12, 1999]

§ 60.109 Delegation of authority.

- (a) In delegating implementation and enforcement authority to a State under section 111(c) of the Act, the authorities contained in paragraph (b) of this section shall be retained by the Administrator and not transferred to a State.
- (b) Authorities which shall not be delegated to States:
 - (1) Section 60.105(a)(13)(iii),
 - (2) Section 60.106(i)(12).

[54 FR 34031, Aug. 17, 1989, as amended at 55 FR 40178, Oct. 2, 1990]

Subpart K—Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978

§ 60.110 Applicability and designation of affected facility.

(a) Except as provided in \$60.110(b), the affected facility to which this subpart applies is each storage vessel for petroleum liquids which has a storage

capacity greater than 151,412 liters (40,000 gallons).

- (b) This subpart does not apply to storage vessels for petroleum or condensate stored, processed, and/or treated at a drilling and production facility prior to custody transfer.
- (c) Subject to the requirements of this subpart is any facility under paragraph (a) of this section which:
- (1) Has a capacity greater than 151, 416 liters (40,000 gallons), but not exceeding 246,052 liters (65,000 gallons), and commences construction or modification after March 8, 1974, and prior to May 19, 1978.
- (2) Has a capacity greater than 246,052 liters (65,000 gallons) and commences construction or modification after June 11, 1973, and prior to May 19, 1978.

 $[42\ FR\ 37937,\ July\ 25,\ 1977,\ as\ amended\ at\ 45\ FR\ 23379,\ Apr.\ 4,\ 1980]$

§ 60.111 Definitions.

As used in this subpart, all terms not defined herein shall have the meaning given them in the Act and in subpart A of this part.

- (a) *Storage vessel* means any tank, reservoir, or container used for the storage of petroleum liquids, but does not include:
- (1) Pressure vessels which are designed to operate in excess of 15 pounds per square inch gauge without emissions to the atmosphere except under emergency conditions,
- (2) Subsurface caverns or porous rock reservoirs, or
- (3) Underground tanks if the total volume of petroleum liquids added to and taken from a tank annually does not exceed twice the volume of the tank.
- (b) Petroleum liquids means petroleum, condensate, and any finished or intermediate products manufactured in a petroleum refinery but does not mean Nos. 2 through 6 fuel oils as specified in ASTM D396-78, gas turbine fuel oils Nos. 2-GT through 4-GT as specified in ASTM D2880-78, or diesel fuel oils Nos. 2-D and 4-D as specified in ASTM D975-78. (These three methods are incorporated by reference—see §60.17.)
- (c) Petroleum refinery means each facility engaged in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants, or other products

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through distillation of petroleum or through redistillation, cracking, extracting, or reforming of unfinished petroleum derivatives.

- (d) *Petroleum* means the crude oil removed from the earth and the oils derived from tar sands, shale, and coal.
- (e) *Hydrocarbon* means any organic compound consisting predominantly of carbon and hydrogen.
- (f) Condensate means hydrocarbon liquid separated from natural gas which condenses due to changes in the temperature and/or pressure and remains liquid at standard conditions.
- (g) Custody transfer means the transfer of produced petroleum and/or condensate, after processing and/or treating in the producing operations, from storage tanks or automatic transfer facilities to pipelines or any other forms of transportation.
- (h) Drilling and production facility means all drilling and servicing equipment, wells, flow lines, separators, equipment, gathering lines, and auxiliary nontransportation-related equipment used in the production of petroleum but does not include natural gasoline plants.
- (i) True vapor pressure means the equilibrium partial pressure exerted by a petroleum liquid as determined in accordance with methods described in American Petroleum Institute Bulletin 2517, Evaporation Loss from External Floating-Roof Tanks, Second Edition, February 1980 (incorporated by reference—see \$60.17).
- (j) Floating roof means a storage vessel cover consisting of a double deck, pontoon single deck, internal floating cover or covered floating roof, which rests upon and is supported by the petroleum liquid being contained, and is equipped with a closure seal or seals to close the space between the roof edge and tank wall.
- (k) Vapor recovery system means a vapor gathering system capable of collecting all hydrocarbon vapors and gases discharged from the storage vessel and a vapor disposal system capable of processing such hydrocarbon vapors and gases so as to prevent their emission to the atmosphere.
- (l) Reid vapor pressure is the absolute vapor pressure of volatile crude oil and volatile nonviscous petroleum liquids,

except liquified petroleum gases, as determined by ASTM D323-82 (incorporated by reference—see §60.17).

[39 FR 9317, Mar. 8, 1974; 39 FR 13776, Apr. 17, 1974, as amended at 39 FR 20794, June 14, 1974; 45 FR 23379, Apr. 4, 1980; 48 FR 3737, Jan. 27, 1983; 52 FR 11429, Apr. 8, 1987]

§60.112 Standard for volatile organic compounds (VOC).

- (a) The owner or operator of any storage vessel to which this subpart applies shall store petroleum liquids as follows:
- (1) If the true vapor pressure of the petroleum liquid, as stored, is equal to or greater than 78 mm Hg (1.5 psia) but not greater than 570 mm Hg (11.1 psia), the storage vessel shall be equipped with a floating roof, a vapor recovery system, or their equivalents.
- (2) If the true vapor pressure of the petroleum liquid as stored is greater than 570 mm Hg (11.1 psia), the storage vessel shall be equipped with a vapor recovery system or its equivalent.

[39 FR 9317, Mar. 8, 1974; 39 FR 13776, Apr. 17, 1974, as amended at 45 FR 23379, Apr. 4, 1980]

§ 60.113 Monitoring of operations.

- (a) Except as provided in paragraph (d) of this section, the owner or operator subject to this subpart shall maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.
- (b) Available data on the typical Reid vapor pressure and the maximum expected storage temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517, unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s).
- (c) The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa (2.0 psia) or whose physical properties preclude determination by the recommended method is to be determined from available data and recorded if the estimated true vapor pressure is greater than 6.9 kPa (1.0 psia).

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- (d) The following are exempt from the requirements of this section:
- (1) Each owner or operator of each affected facility which stores petroleum liquids with a Reid vapor pressure of less than 6.9 kPa (1.0 psia) provided the maximum true vapor pressure does not exceed 6.9 kPa (1.0 psia).
- (2) Each owner or operator of each affected facility equipped with a vapor recovery and return or disposal system in accordance with the requirements of §60.112.

[45 FR 23379, Apr. 4, 1980]

Subpart Ka—Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984

\$60.110a Applicability and designation of affected facility.

- (a) Except as provided in paragraph (b) of this section, the affected facility to which this subpart applies is each storage vessel for petroleum liquids which has a storage capacity greater than 151,416 liters (40,000 gallons) and for which construction is commenced after May 18, 1978.
- (b) Each petroleum liquid storage vessel with a capacity of less than 1,589,873 liters (420,000 gallons) used for petroleum or condensate stored, processed, or treated prior to custody transfer is not an affected facility and, therefore, is exempt from the requirements of this subpart.

[45 FR 23379, Apr. 4, 1980]

§ 60.111a Definitions.

In addition to the terms and their definitions listed in the Act and subpart A of this part the following definitions apply in this subpart:

- (a) Storage vessel means each tank, reservoir, or container used for the storage of petroleum liquids, but does not include:
- (1) Pressure vessels which are designed to operate in excess of 204.9 kPa (15 psig) without emissions to the at-

- mosphere except under emergency conditions.
- (2) Subsurface caverns or porous rock reservoirs, or
- (3) Underground tanks if the total volume of petroleum liquids added to and taken from a tank annually does not exceed twice the volume of the tank.
- (b) Petroleum liquids means petroleum, condensate, and any finished or intermediate products manufactured in a petroleum refinery but does not mean Nos. 2 through 6 fuel oils as specified in ASTM D396-78, gas turbine fuel oils Nos. 2-GT through 4-GT as specified in ASTM D2880-78, gas turbine fuel oils Nos. 2-GT through 4-GT as specified in ASTM D2880-78, or diesel fuel oils Nos. 2-D and 4-D as specified in ASTM D975-78. (These three methods are incorporated by reference—see §60.17.)
- (c) Petroleum refinery means each facility engaged in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants, or other products through distillation of petroleum or through redistillation, cracking, extracting, or reforming of unfinished petroleum derivatives.
- (d) *Petroleum* means the crude oil removed from the earth and the oils derived from tar sands, shale, and coal.
- (e) *Condensate* means hydrocarbon liquid separated from natural gas which condenses due to changes in the temperature or pressure, or both, and remains liquid at standard conditions.
- (f) True vapor pressure means the equilibrium partial pressure exerted by a petroleum liquid such as determined in accordance with methods described in American Petroleum Institute Bulletin 2517, Evaporation Loss from External Floating-Roof Tanks, Second Edition, February 1980 (incorporated by reference—see §60.17).
- (g) Reid vapor pressure is the absolute vapor pressure of volatile crude oil and nonviscous petroleum liquids, except liquified petroleum gases, as determined by ASTM D323-82 (incorporated by reference—see §60.17).
- (h) Liquid-mounted seal means a foam or liquid-filled primary seal mounted in contact with the liquid between the tank wall and the floating roof continuously around the circumference of the tank.

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(2) Each owner or operator of each storage vessel equipped with a vapor recovery and return or disposal system in accordance with the requirements of §60.112a (a)(3) and (b).

[45 FR 23379, Apr. 4, 1980]

Subpart Kb—Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984

Source: $52\ FR\ 11429$, Apr. 8, 1987, unless otherwise noted.

§ 60.110b Applicability and designation of affected facility.

- (a) Except as provided in paragraphs (b), (c), and (d) of this section, the affected facility to which this subpart applies is each storage vessel with a capacity greater than or equal to 40 cubic meters (m³) that is used to store volatile organic liquids (VOL's) for which construction, reconstruction, or modification is commenced after July 23, 1984
- (b) Except as specified in paragraphs (a) and (b) of $\S60.116b$, storage vessels with design capacity less than 75 m³ are exempt from the General Provisions (part 60, subpart A) and from the provisions of this subpart.
- (c) Except as specified in paragraphs (a) and (b) of §60.116b, vessels either with a capacity greater than or equal to 151 m³ storing a liquid with a maximum true vapor pressure less than 3.5 kPa or with a capacity greater than or equal to 75 m³ but less than 151 m³ storing a liquid with a maximum true vapor pressure less than 15.0 kPa are exempt from the General Provisions (part 60, subpart A) and from the provisions of this subpart.
- (d) This subpart does not apply to the following:
- (1) Vessels at coke oven by-product plants.
- (2) Pressure vessels designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.

- (3) Vessels permanently attached to mobile vehicles such as trucks, railcars, barges, or ships.
- (4) Vessels with a design capacity less than or equal to 1,589.874 m³ used for petroleum or condensate stored, processed, or treated prior to custody transfer.
- (5) Vessels located at bulk gasoline plants.
- (6) Storage vessels located at gasoline service stations.
- (7) Vessels used to store beverage alcohol.

[52 FR 11429, Apr. 8, 1987, as amended at 54 FR 32973, Aug. 11, 1989]

§ 60.111b Definitions.

Terms used in this subpart are defined in the Act, in subpart A of this part, or in this subpart as follows:

- (a) Bulk gasoline plant means any gasoline distribution facility that has a gasoline throughput less than or equal to 75,700 liters per day. Gasoline throughput shall be the maximum calculated design throughput as may be limited by compliance with an enforceable condition under Federal requirement or Federal, State or local law, and discoverable by the Administrator and any other person.
- (b) Condensate means hydrocarbon liquid separated from natural gas that condenses due to changes in the temperature or pressure, or both, and remains liquid at standard conditions.
- (c) Custody transfer means the transfer of produced petroleum and/or condensate, after processing and/or treatment in the producing operations, from storage vessels or automatic transfer facilities to pipelines or any other forms of transportation.
- (d) *Fill* means the introduction of VOL into a storage vessel but not necessarily to complete capacity.
- (e) Gasoline service station means any site where gasoline is dispensed to motor vehicle fuel tanks from stationary storage tanks.
- (f) Maximum true vapor pressure means the equilibrium partial pressure exerted by the stored VOL at the temperature equal to the highest calendarmonth average of the VOL storage temperature for VOL's stored above or below the ambient temperature or at the local maximum monthly average

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temperature as reported by the National Weather Service for VOL's stored at the ambient temperature, as determined:

- (1) In accordance with methods described in American Petroleum institute Bulletin 2517, Evaporation Loss From External Floating Roof Tanks, (incorporated by reference—see §60.17); or
- (2) As obtained from standard reference texts; or
- (3) As determined by ASTM Method D2879-83 (incorporated by reference—see §60.17);
- (4) Any other method approved by the Administrator.
- (g) Reid vapor pressure means the absolute vapor pressure of volatile crude oil and volatile nonviscous petroleum liquids except liquified petroleum gases, as determined by ASTM D323-82 (incorporated by reference—see §60.17).
- (h) *Petroleum* means the crude oil removed from the earth and the oils derived from tar sands, shale, and coal.
- (i) *Petroleum liquids* means petroleum, condensate, and any finished or intermediate products manufactured in a petroleum refinery.
- (j) Storage vessel means each tank, reservoir, or container used for the storage of volatile organic liquids but does not include:
- (1) Frames, housing, auxiliary supports, or other components that are not directly involved in the containment of liquids or vapors; or
- (2) Subsurface caverns or porous rock reservoirs.
- (k) Volatile organic liquid (VOL) means any organic liquid which can emit volatile organic compounds into the atmosphere except those VOL's that emit only those compounds which the Administrator has determined do not contribute appreciably to the formation of ozone. These compounds are identified in EPA statements on ozone abatement policy for SIP revisions (42 FR 35314, 44 FR 32042, 45 FR 32424, and 45 FR 48941).
- (l) Waste means any liquid resulting from industrial, commercial, mining or agricultural operations, or from community activities that is discarded or is being accumulated, stored, or physically, chemically, or biologically

treated prior to being discarded or recycled.

[52 FR 11429, Apr. 8, 1987, as amended at 54 FR 32973, Aug. 11, 1989]

§ 60.112b Standard for volatile organic compounds (VOC).

- (a) The owner or operator of each storage vessel either with a design capacity greater than or equal to 151 m³ containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 5.2 kPa but less than 76.6 kPa or with a design capacity greater than or equal to 75 m³ but less than 151 m³ containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 27.6 kPa but less than 76.6 kPa, shall equip each storage vessel with one of the following:
- (1) A fixed roof in combination with an internal floating roof meeting the following specifications:
- (i) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
- (ii) Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:
- (A) A foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
- (B) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be

vapor-mounted, but both must be continuous.

- (C) A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
- (iii) Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.
- (iv) Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
- (v) Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
- (vi) Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.
- (vii) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
- (viii) Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
- (ix) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover
- (2) An external floating roof. An external floating roof means a pontoontype or double-deck type cover that rests on the liquid surface in a vessel

with no fixed roof. Each external floating roof must meet the following specifications:

- (i) Each external floating roof shall be equipped with a closure device between the wall of the storage vessel and the roof edge. The closure device is to consist of two seals, one above the other. The lower seal is referred to as the primary seal, and the upper seal is referred to as the secondary seal.
- (A) The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in §60.113b(b)(4), the seal shall completely cover the annular space between the edge of the floating roof and tank wall.
- (B) The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in §60.113b(b)(4).
- (ii) Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, each opening in the roof is to be equipped with a gasketed cover, seal, or lid that is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Automatic bleeder vents are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Rim vents are to be set to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Automatic bleeder vents and rim space vents are to be gasketed. Each emergency roof drain is to be provided with a slotted membrane fabric cover that covers at least 90 percent of the area of the open-
- (iii) The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible.

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- (3) A closed vent system and control device meeting the following specifications:
- (i) The closed vent system shall be designed to collect all VOC vapors and gases discharged from the storage vessel and operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined in part 60, subpart VV, § 60.485(b).
- (ii) The control device shall be designed and operated to reduce inlet VOC emissions by 95 percent or greater. If a flare is used as the control device, it shall meet the specifications described in the general control device requirements (§60.18) of the General Provisions.
- (4) A system equivalent to those described in paragraphs (a)(1), (a)(2), or (a)(3) of this section as provided in §60.114b of this subpart.
- (b) The owner or operator of each storage vessel with a design capacity greater than or equal to 75 m³ which contains a VOL that, as stored, has a maximum true vapor pressure greater than or equal to 76.6 kPa shall equip each storage vessel with one of the following:
- (1) A closed vent system and control device as specified in §60.112b(a)(3).
- (2) A system equivalent to that described in paragraph (b)(1) as provided in §60.114b of this subpart.
- (c) Site-specific standard for Merck & Co., Inc.'s Stonewall Plant in Elkton, Virginia. This paragraph applies only to the pharmaceutical manufacturing facility, commonly referred to as the Stonewall Plant, located at Route 340 South, in Elkton, Virginia ("site").
- (1) For any storage vessel that otherwise would be subject to the control technology requirements of paragraphs (a) or (b) of this section, the site shall have the option of either complying directly with the requirements of this subpart, or reducing the site-wide total criteria pollutant emissions cap (total emissions cap) in accordance with the procedures set forth in a permit issued pursuant to 40 CFR 52.2454. If the site chooses the option of reducing the total emissions cap in accordance with the procedures set forth in such permit, the requirements of such permit

shall apply in lieu of the otherwise applicable requirements of this subpart for such storage vessel.

(2) For any storage vessel at the site not subject to the requirements of 40 CFR 60.112b (a) or (b), the requirements of 40 CFR 60.116b (b) and (c) and the General Provisions (subpart A of this part) shall not apply.

[52 FR 11429, Apr. 8, 1987, as amended at 62 FR 52641, Oct. 8, 1997]

§ 60.113b Testing and procedures.

The owner or operator of each storage vessel as specified in §60.112b(a) shall meet the requirements of paragraph (a), (b), or (c) of this section. The applicable paragraph for a particular storage vessel depends on the control equipment installed to meet the requirements of §60.112b.

- (a) After installing the control equipment required to meet §60.112b(a)(1) (permanently affixed roof and internal floating roof), each owner or operator shall:
- (1) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the owner or operator shall repair the items before filling the storage vessel.
- (2) For Vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be

emptied within 45 days, a 30-day extension may be requested from the Administrator in the inspection report required in §60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

- (3) For vessels equipped with a double-seal system as specified in §60.112b(a)(1)(ii)(B):
- (i) Visually inspect the vessel as specified in paragraph (a)(4) of this section at least every 5 years; or
- (ii) Visually inspect the vessel as specified in paragraph (a)(2) of this section
- (4) Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the owner or operator shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in paragraphs (a)(2) and (a)(3)(ii) of this section and at intervals no greater than 5 years in the case of vessels specified in paragraph (a)(3)(i) of this section.
- (5) Notify the Administrator in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by paragraphs (a)(1) and (a)(4) of this section to afford the Administrator the opportunity to have an observer present. If the inspection required by paragraph (a)(4) of this section is not planned and the owner or operator

could not have known about the inspection 30 days in advance or refilling the tank, the owner or operator shall notify the Administrator at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Administrator at least 7 days prior to the refilling.

(b) After installing the control equipment required to meet §60.112b(a)(2) (external floating roof), the owner or operator shall:

(1) Determine the gap areas and maximum gap widths, between the primary seal and the wall of the storage vessel and between the secondary seal and the wall of the storage vessel according to the following frequency.

(i) Measurements of gaps between the tank wall and the primary seal (seal gaps) shall be performed during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter.

(ii) Measurements of gaps between the tank wall and the secondary seal shall be performed within 60 days of the initial fill with VOL and at least once per year thereafter.

(iii) If any source ceases to store VOL for a period of 1 year or more, subsequent introduction of VOL into the vessel shall be considered an initial fill for the purposes of paragraphs (b)(1)(i) and (b)(1)(ii) of this section.

(2) Determine gap widths and areas in the primary and secondary seals individually by the following procedures:

- (i) Measure seal gaps, if any, at one or more floating roof levels when the roof is floating off the roof leg supports.
- (ii) Measure seal gaps around the entire circumference of the tank in each place where a 0.32-cm diameter uniform probe passes freely (without forcing or binding against seal) between the seal and the wall of the storage vessel and measure the circumferential distance of each such location.
- (iii) The total surface area of each gap described in paragraph (b)(2)(ii) of

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this section shall be determined by using probes of various widths to measure accurately the actual distance from the tank wall to the seal and multiplying each such width by its respective circumferential distance.

(3) Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in paragraph (b)(4) of this section.

(4) Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in (b)(4) (i) and (ii) of this section:

(i) The accumulated area of gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal shall not exceed 212 Cm² per meter of tank diameter, and the width of any portion of any gap shall not exceed 3.81 cm.

(A) One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface.

(B) There are to be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope.

(ii) The secondary seal is to meet the following requirements:

(A) The secondary seal is to be installed above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in paragraph (b)(2)(iii) of this section.

(B) The accumulated area of gaps between the tank wall and the secondary seal shall not exceed 21.2 cm² per meter of tank diameter, and the width of any portion of any gap shall not exceed 1.27 cm.

(C) There are to be no holes, tears, or other openings in the seal or seal fabric.

(iii) If a failure that is detected during inspections required in paragraph (b)(1) of §60.113b(b) cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Administrator in the inspection report required in §60.115b(b)(4). Such extension

request must include a demonstration of unavailability of alternate storage capacity and a specification of a schedule that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

(5) Notify the Administrator 30 days in advance of any gap measurements required by paragraph (b)(1) of this section to afford the Administrator the opportunity to have an observer present.

(6) Visually inspect the external floating roof, the primary seal, secondary seal, and fittings each time the vessel is emptied and degassed.

(i) If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, the owner or operator shall repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL.

(ii) For all the inspections required by paragraph (b)(6) of this section, the owner or operator shall notify the Administrator in writing at least 30 days prior to the filling or refilling of each storage vessel to afford the Administrator the opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph (b)(6) of this section is not planned and the owner or operator could not have known about the inspection 30 days in advance of refilling the tank, the owner or operator shall notify the Administrator at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Administrator at least 7 days prior to the refilling.

(c) The owner or operator of each source that is equipped with a closed vent system and control device as required in §60.112b (a)(3) or (b)(2) (other than a flare) is exempt from §60.8 of the General Provisions and shall meet the following requirements.

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- (1) Submit for approval by the Administrator as an attachment to the notification required by $\S60.7(a)(1)$ or, if the facility is exempt from $\S60.7(a)(1)$, as an attachment to the notification required by $\S60.7(a)(2)$, an operating plan containing the information listed below.
- (i) Documentation demonstrating that the control device will achieve the required control efficiency during maximum loading conditions. This documentation is to include a description of the gas stream which enters the control device, including flow and VOC content under varying liquid level conditions (dynamic and static) and manufacturer's design specifications for the control device. If the control device or the closed vent capture system receives vapors, gases, or liquids other than fuels from sources that are not designated sources under this subpart, the efficiency demonstration is to include consideration of all vapors, gases, and liquids received by the closed vent capture system and control device. If an enclosed combustion device with a minimum residence time of 0.75 seconds and a minimum temperature of 816 $^{\circ}\text{C}$ is used to meet the 95 percent reguirement, documentation that those conditions will exist is sufficient to meet the requirements of this para-
- (ii) A description of the parameter or parameters to be monitored to ensure that the control device will be operated in conformance with its design and an explanation of the criteria used for selection of that parameter (or parameters).
- (2) Operate the closed vent system and control device and monitor the parameters of the closed vent system and control device in accordance with the operating plan submitted to the Administrator in accordance with paragraph (c)(1) of this section, unless the plan was modified by the Administrator during the review process. In this case, the modified plan applies.
- (d) The owner or operator of each source that is equipped with a closed vent system and a flare to meet the requirements in §60.112b (a)(3) or (b)(2) shall meet the requirements as speci-

fied in the general control device requirements, §60.18 (e) and (f).

[52 FR 11429, Apr. 8, 1987, as amended at 54 FR 32973, Aug. 11, 1989]

§ 60.114b Alternative means of emission limitation.

- (a) If, in the Administrator's judgment, an alternative means of emission limitation will achieve a reduction in emissions at least equivalent to the reduction in emissions achieved by any requirement in §60.112b, the Administrator will publish in the FEDERAL REGISTER a notice permitting the use of the alternative means for purposes of compliance with that requirement.
- (b) Any notice under paragraph (a) of this section will be published only after notice and an opportunity for a hearing.
- (c) Any person seeking permission under this section shall submit to the Administrator a written application including:
- (1) An actual emissions test that uses a full-sized or scale-model storage vessel that accurately collects and measures all VOC emissions from a given control device and that accurately simulates wind and accounts for other emission variables such as temperature and barometric pressure.
- (2) An engineering evaluation that the Administrator determines is an accurate method of determining equivalence.
- (d) The Administrator may condition the permission on requirements that may be necessary to ensure operation and maintenance to achieve the same emissions reduction as specified in \$60,112b.

§ 60.115b Reporting and recordkeeping requirements.

The owner or operator of each storage vessel as specified in $\S 60.112b(a)$ shall keep records and furnish reports as required by paragraphs (a), (b), or (c) of this section depending upon the control equipment installed to meet the requirements of $\S 60.112b$. The owner or operator shall keep copies of all reports and records required by this section, except for the record required by (c)(1), for at least 2 years. The record required by (c)(1) will be kept for the life of the control equipment.

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- (a) After installing control equipment in accordance with §60.112b(a)(1) (fixed roof and internal floating roof), the owner or operator shall meet the following requirements.
- (1) Furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of §60.112b(a)(1) and §60.113b(a)(1). This report shall be an attachment to the notification required by §60.7(a)(3).
- (2) Keep a record of each inspection performed as required by §60.113b (a)(1), (a)(2), (a)(3), and (a)(4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).
- (3) If any of the conditions described in §60.113b(a)(2) are detected during the annual visual inspection required by §60.113b(a)(2), a report shall be furnished to the Administrator within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.
- (4) After each inspection required by \$60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in \$60.113b(a)(3)(ii), a report shall be furnished to the Administrator within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of \$61.112b(a)(1) or \$60.113b(a)(3) and list each repair made.
- (b) After installing control equipment in accordance with §61.112b(a)(2) (external floating roof), the owner or operator shall meet the following requirements.
- (1) Furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of §60.112b(a)(2) and §60.113b(b)(2), (b)(3), and (b)(4). This report shall be an attachment to the notification required by §60.7(a)(3).
- (2) Within 60 days of performing the seal gap measurements required by

- §60.113b(b)(1), furnish the Administrator with a report that contains:
 - (i) The date of measurement.
- (ii) The raw data obtained in the measurement.
- (iii) The calculations described in $\S 60.113b (b)(2)$ and (b)(3).
- (3) Keep a record of each gap measurement performed as required by §60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain:
 - (i) The date of measurement.
- (ii) The raw data obtained in the measurement.
- (iii) The calculations described in 60.113b (b)(2) and (b)(3).
- (4) After each seal gap measurement that detects gaps exceeding the limitations specified by §60.113b(b)(4), submit a report to the Administrator within 30 days of the inspection. The report will identify the vessel and contain the information specified in paragraph (b)(2) of this section and the date the vessel was emptied or the repairs made and date of repair.
- (c) After installing control equipment in accordance with §60.112b (a)(3) or (b)(1) (closed vent system and control device other than a flare), the owner or operator shall keep the following records.
 - (1) A copy of the operating plan.
- (2) A record of the measured values of the parameters monitored in accordance with §60.113b(c)(2).
- (d) After installing a closed vent system and flare to comply with §60.112b, the owner or operator shall meet the following requirements.
- (1) A report containing the measurements required by §60.18(f) (1), (2), (3), (4), (5), and (6) shall be furnished to the Administrator as required by §60.8 of the General Provisions. This report shall be submitted within 6 months of the initial start-up date.
- (2) Records shall be kept of all periods of operation during which the flare pilot flame is absent.
- (3) Semiannual reports of all periods recorded under §60.115b(d)(2) in which the pilot flame was absent shall be furnished to the Administrator.

§ 60.116b Monitoring of operations.

(a) The owner or operator shall keep copies of all records required by this section, except for the record required by paragraph (b) of this section, for at least 2 years. The record required by paragraph (b) of this section will be kept for the life of the source.

(b) The owner or operator of each storage vessel as specified in §60.110b(a) shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Each storage vessel with a design capacity less than 75 m³ is subject to no provision of this subpart other than those required

by this paragraph.

- (c) Except as provided in paragraphs (f) and (g) of this section, the owner or operator of each storage vessel either with a design capacity greater than or equal to 151 m³ storing a liquid with a maximum true vapor pressure greater than or equal to 3.5 kPa or with a design capacity greater than or equal to 75 m³ but less than 151 m³ storing a liquid with a maximum true vapor pressure greater than or equal to 15.0 kPa shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period.
- (d) Except as provided in paragraph (g) of this section, the owner or operator of each storage vessel either with a design capacity greater than or equal to 151 m³ storing a liquid with a maximum true vapor pressure that is normally less than 5.2 kPa or with a design capacity greater than or equal to 75 m³ but less than 151 m³ storing a liquid with a maximum true vapor pressure that is normally less than 27.6 kPa shall notify the Administrator within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor vapor pressure values for each volume range.
- (e) Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below.
- (1) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage

- temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.
- (2) For crude oil or refined petroleum products the vapor pressure may be obtained by the following:
- (i) Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517 (incorporated by reference—see §60.17), unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s).
- (ii) The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded if the estimated maximum true vapor pressure is greater than 3.5 kPa.
- (3) For other liquids, the vapor pressure:
- (i) May be obtained from standard reference texts, or
- (ii) Determined by ASTM Method D2879-83 (incorporated by reference—see §60.17); or
- (iii) Measured by an appropriate method approved by the Administrator; or
- (iv) Calculated by an appropriate method approved by the Administrator.
- (f) The owner or operator of each vessel storing a waste mixture of indeterminate or variable composition shall be subject to the following requirements.
- (1) Prior to the initial filling of the vessel, the highest maximum true vapor pressure for the range of anticipated liquid compositions to be stored will be determined using the methods described in paragraph (e) of this section.

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- (2) For vessels in which the vapor pressure of the anticipated liquid composition is above the cutoff for monitoring but below the cutoff for controls as defined in §60.112b(a), an initial physical test of the vapor pressure is required; and a physical test at least once every 6 months thereafter is required as determined by the following methods:
- (i) ASTM Method D2879-83 (incorporated by reference—see §60.17); or
- (ii) ASTM Method D323-82 (incorporated by reference—see §60.17); or
- (iii) As measured by an appropriate method as approved by the Administrator.
- (g) The owner or operator of each vessel equipped with a closed vent system and control device meeting the specifications of §60.112b is exempt from the requirements of paragraphs (c) and (d) of this section.

§ 60.117b Delegation of authority.

- (a) In delegating implementation and enforcement authority to a State under section 111(c) of the Act, the authorities contained in paragraph (b) of this section shall be retained by the Administrator and not transferred to a State.
- (b) Authorities which will not be delegated to States: $\S 60.111b(f)(4)$, 60.114b, 60.116b(e)(3)(iii), 60.116b(e)(3)(iv), and 60.116b(f)(2)(iii).

[52 FR 11429, Apr. 8, 1987, as amended at 52 FR 22780, June 16, 1987]

Subpart L—Standards of Performance for Secondary Lead Smelters

§ 60.120 Applicability and designation of affected facility.

- (a) The provisions of this subpart are applicable to the following affected facilities in secondary lead smelters: Pot furnaces of more than 250 kg (550 lb) charging capacity, blast (cupola) furnaces, and reverberatory furnaces.
- (b) Any facility under paragraph (a) of this section that commences construction or modification after June 11, 1973, is subject to the requirements of this subpart.

[42 FR 37937, July 25, 1977]

§ 60.121 Definitions.

As used in this subpart, all terms not defined herein shall have the meaning given them in the Act and in subpart A of this part.

- (a) *Reverberatory furnace* includes the following types of reverberatory furnaces: stationary, rotating, rocking, and tilting.
- (b) Secondary lead smelter means any facility producing lead from a leadbearing scrap material by smelting to the metallic form.
- (c) *Lead* means elemental lead or alloys in which the predominant component is lead.

[39 FR 9317, Mar. 8, 1974; 39 FR 13776, Apr. 17, 1974]

§ 60.122 Standard for particulate matter.

- (a) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from a blast (cupola) or reverberatory furnace any gases which:
- (1) Contain particulate matter in excess of 50 mg/dscm (0.022 gr/dscf).
- (2) Exhibit 20 percent opacity or greater.
- (b) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any pot furnace any gases which exhibit 10 percent opacity or greater.

[39 FR 9317, Mar. 8, 1974, as amended at 40 FR 46259, Oct. 6, 1975]

$\S 60.123$ Test methods and procedures.

- (a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in Appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b).
- (b) The owner or operator shall determine compliance with the particulate matter standards in §60.122 as follows:

TANKS 4.0 Emissions Report - Brief Format Individual Summaries

Annual Emissions Report

Tank 55-1 External Floating Roof Tank

			Losses(lbs)		
Components	Rim Seal Loss	Withdrawal Loss	Deck Fitting Loss	Deck Seam Loss	Total Emissions
Gasoline (RVP 15)	1,528.82	33.00	4,626.28	0.00	6,188.09
1,2,4-Trimethylbenzene	0.10	0.82	0.31	0.00	1.24
Benzene	5.08	0.59	15.37	0.00	21.04
Cyclohexane	0.71	0.08	2.15	0.00	2.93
Ethylbenzene	0.33	0.46	1.00	0.00	1.79
Hexane (-n)	4.74	0.33	14.35	0.00	19.42
Isooctane	4.49	1.32	13.61	0.00	19.42
Isopropyl benzene	0.05	0.16	0.16	0.00	0.38
Toluene	5.30	2.31	16.06	0.00	23.68
Unidentified Components	1,506.64	24.60	4,559.12	0.00	6,090.36
Xylene (-m)	1.37	2.31	4.14	0.00	7.82
Gasoline (RVP 8)	837.75	33.00	2,027.11	0.00	2,897.85
1,2,4-Trimethylbenzene	0.15	0.82	0.35	0.00	1.32
Benzene	5.94	0.59	14.31	0.00	20.84
Cyclohexane	0.82	0.08	1.98	0.00	2.88
Ethylbenzene	0.43	0.46	1.04	0.00	1.93
Hexane (-n)	5.40	0.33	13.01	0.00	18.74
Isooctane	6.65	1.32	15.91	0.00	23.88
Isopropyl benzene	0.07	0.16	0.17	0.00	0.41
Toluene	6.56	2.31	15.76	0.00	24.63
Unidentified Components	809.92	24.60	1,960.25	0.00	2,794.77
Xylene (-m)	1.81	2.31	4.32	0.00	8.44
Gasoline (RVP 12)	251.31	6.60	536.61	0.00	794.52
1,2,4-Trimethylbenzene	0.03	0.16	0.06	0.00	0.26
Benzene	1.20	0.12	2.56	0.00	3.88
Cyclohexane	0.17	0.02	0.35	0.00	0.54
Ethylbenzene	0.09	0.09	0.19	0.00	0.37
Hexane (-n)	1.09	0.07	2.33	0.00	3.49
Isooctane	1.33	0.26	2.85	0.00	4.44
Isopropyl benzene	0.01	0.03	0.03	0.00	0.08
Toluene	1.32	0.46	2.82	0.00	4.61
Unidentified Components	245.70	4.92	524.64	0.00	775.25
Xylene (-m)	0.36	0.46	0.77	0.00	1.60
Gasoline (RVP 14)	293.77	6.60	711.43	0.00	1,011.79
1,2,4-Trimethylbenzene	0.03	0.16	0.06	0.00	0.25

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TANKS 4.0 Emissions Report - Brief Format Individual Summaries (Continued)

Total:									
	Xylene (-m)	Unidentified Components	Toluene	Isopropyl benzene	Isooctane	Hexane (-n)	Ethylbenzene	Cyclohexane	Benzene
2,911.64	0.33	288.47	1.25	0.01	1.22	1.06	0.08	0.16	1.16
79.19	0.46	4.92	0.46	0.03	0.26	0.07	0.09	0.02	0.12
7,901.42	0.81	698.59	3.02	0.03	2.95	2.57	0.19	0.39	2.80
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,892.25	1.61	991.98	4.73	0.08	4.44	3.70	0.37	0.56	4.07

TANKS 4.0 Emissions Report - Brief Format Individual Summaries

Tank 45-2 External Floating Roof Tank

			Losses(lbs)		1
Components	Rim Seal Loss	Withdrawal Loss	Deck Fitting Loss	Deck Seam Loss	F 067 70
Gasoline (RVP 15)	1,365.94	22.02	4,072,04	0.00	0,907.10
1,2,4-Trimethylbenzene	0.09	0.71	0.31	0.00	1.10
Benzene	4.54	0.51	15.19	0.00	20.23
Cyclohexane	0.63	0.07	2.12	0.00	2.82
Ethylbenzene	0.30	0.40	0.99	0.00	1.68
Hexane (-n)	4.24	0.28	14.18	0.00	18.70
Isooctane	4.02	1.13	13.45	0.00	18.60
Isopropyl benzene	0.05	0.14	0.16	0.00	0.35
Toluene	4.74	1.98	15.88	0.00	22.59
Unidentified Components	1,347.12	21.04	4,506.16	0.00	5,874.32
Xylene (-m)	1.22	1.98	4.10	0.00	7.29
Gasoline (RVP 7)	629.64	28.22	1,684.21	0.00	2,342.07
1,2,4-Trimethylbenzene	0.13	0.71	0.34	0.00	1.17
Benzene	5.18	0.51	13.79	0.00	19.48
Cyclohexane	0.72	0.07	1.91	0.00	2.69
Ethylbenzene	0.38	0.40	1.00	0.00	1.77
Hexane (-n)	4.71	0.28	12.54	0.00	17.53
Isooctane	5.80	1.13	15.34	0.00	22.26
Isopropyl benzene	0.06	0.14	0.17	0.00	0.37
Toluene	5.72	1.98	15.19	0.00	22.89
Unidentified Components	605.38	21.04	1,619.76	0.00	2,246.18
Xylene (-m)	1.57	1.98	4.17	0.00	7.72
Gasoline (RVP 12)	224.70	5.64	530.25	0.00	760.60
1,2,4-Trimethylbenzene	0.03	0.14	0.06	0.00	0.23
Benzene	1.07	0.10	2.53	0.00	3.71
Cyclohexane	0.15	0.01	0.35	0.00	0.51
Ethylbenzene	0.08	0.08	0.18	0.00	0.34
Hexane (-n)	0.98	0.06	2.30	0.00	3.34
Isooctane	1.19	0.23	2.81	0.00	4.23
Isopropyl benzene	0.01	0.03	0.03	0.00	0.07
Toluene	1.18	0.40	2.79	0.00	4.37
Unidentified Components	219.68	4.21	518.42	0.00	742.31
Xylene (-m)	0.32	0.40	0.77	0.00	1.48
Gasoline (RVP 14)	262.66	5.64	702.90	0.00	971.21
1,2,4-Trimethylbenzene	0.02	0.14	0.06	0.00	0.23
1,2,4-IIIIIeulyibelizelie	0.02	0.17	0.00	0.00	

TANKS 4.0 Emissions Report - Brief Format Individual Summaries (Continued)

10,041.57	0.00	7,489.90	67.73	2,483.95	Total:
1.49	0.00	0.80	0.40	0.30	Xylene (-m)
952.36	0.00	690.23	4.21	257.92	Unidentified Components
4.50	0.00	2.98	0.40	1.12	Toluene
0.07	0.00	0.03	0.03	0.01	Isopropyl benzene
4.23	0.00	2.92	0.23	1.09	Isooctane
3.55	0.00	2.54	0.06	0.95	Hexane (-n)
0.34	0.00	0.19	0.08	0.07	Ethylbenzene
0.54	0.00	0.38	0.01	0.14	Cyclohexane
3.90	0.00	2.77	0.10	1.03	Benzene

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TANKS 4.0 Emissions Report - Brief Format Individual Summaries

Tank 35-3 Vertical Fixed Roof Tank

	3.39		Toluene
524.86	132.84	392.01	Unidentified Components
	0.36		Ethylbenzene
	8.77		Xylene (-m)
	6.63		1,2,4-Trimethylbenzene
	152.00		Distillate fuel oil no. 2
	Breathing Loss		Components
l	Losses(lbs)		

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Annual Emissions Report

Tank 25-4 Internal Floating Roof Tank

0.16	0.01	0.03	0.12	0.01	1,2,4-Trimethylbenzene
486 23	78 25	297 34	4 63	106.01	Casolina (DVD 14)
0.98	0.11	0.41	0.32	0.14	Xvlene (-m)
449.10	72.41	275.14	3.45	98.09	Unidentified Components
2.72	0.39	1.48	0.32	0.53	Toluene
0.05	0.00	0.02	0.02	0.01	Isopropyl benzene
2.60	0.39	1.49	0.19	0.53	Isooctane
2.03	0.32	1.22	0.05	0.44	Hexane (-n)
0.22	0.03	0.10	0.06	0.03	Ethylbenzene
0.31	0.05	0.19	0.01	0.07	Cyclohexane
2.26	0.35	1.34	0.08	0.48	Benzene
0.17	0.01	0.03	0.12	0.01	1,2,4-Trimethylbenzene
460.45	74.07	281.42	4.63	100.33	Gasoline (RVP 12)
4.76	0.51	1.94	1.62	0.69	Xylene (-m)
1,591.75	255.83	972.08	17.26	346.57	Unidentified Components
13.00	1.85	7.03	1.62	2.51	Toluene
0.24	0.02	0.08	0.12	0.03	Isopropyl benzene
12.50	1.88	7.14	0.93	2.55	Isooctane
9.57	1.52	5.77	0.23	2.06	Hexane (-n)
1.08	0.12	0.47	0.32	0.17	Ethylbenzene
1.48	0.23	0.88	0.06	0.31	Cyclohexane
10.71	1.67	6.36	0.42	2.27	Benzene
0.83	0.04	0.16	0.58	0.06	1,2,4-Trimethylbenzene
1,645.92	263.68	1,001.89	23.15	357.20	Gasoline (RVP 9)
3.51	0.31	1.16	1.62	0.41	Xylene (-m)
2,093.81	337.41	1,282.05	17.26	457.08	Unidentified Components
8.93	1.19	4.51	1.62	1.61	Toluene
0.19	0.01	0.05	0.12	0.02	Isopropyl benzene
7.11	1.00	3.82	0.93	1.36	Isooctane
6.76	1.06	4.03	0.23	1.44	Hexane (-n)
0.78	0.07	0.28	0.32	0.10	Ethylbenzene
1.03	0.16	0.60	0.06	0.21	Cyclohexane
7.41	1.14	4.32	0.42	1.54	Benzene
0.72	0.02	0.09	0.58	0.03	1,2,4-Trimethylbenzene
2,130.24	342.38	1,300.91	23.15	463.81	Gasoline (RVP 15)
Total Emissions	Deck Seam Loss	Deck Fitting Loss	Withdrawal Loss	Rim Seal Loss	Components
		Losses(lbs)			

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TANKS 4.0
Emissions Report - Brief Format
Individual Summaries (Continued)

1000	2,881.56	55.57	1,027.35	Total:
	0.34	0.32	0.12	
	291.98	3.45	104.10	Unidentified Components
	1.26	0.32	0.45	Toluene
	0.01	0.02	0.00	Isopropyl benzene
	1.23	0.19	0.44	Isooctane
	1.07	0.05	0.38	Hexane (-n)
	0.08	0.06	0.03	Ethylbenzene
	0.16	0.01	0.06	Cyclohexane
	1.17	0.08	0.42	Benzene

TANKS 4.0 Emissions Report - Brief Format Individual Summaries

Annual Emissions Report

Tank IVL Vertical Fixed Roof Tank

	i		
			Xylene (-m)
			Isopropyl benzene
			Ethylbenzene
			Butanol-(1)
			Unidentified Components
6.48	4.15	2.33	Gasoline Additive - OGA
tal Emis			Components
	Losses(lbs)		ALLOW STATE OF THE PROPERTY OF